

Source Water Assessment for
Westwood Subdivision
Wasilla, Alaska

A Hydrogeologic Susceptibility and Vulnerability Assessment

DRINKING WATER PROTECTION PROGRAM REPORT 184
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Westwood Subdivision
Wasilla, Alaska

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Source Water Assessment for Westwood Subdivision's Source of Public Drinking Water, Wasilla Area, Alaska

By Sarah A. Bendewald

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EXECUTIVE SUMMARY

The Public Water System for Westwood Subdivision is a Class A (non-transient/non-community) water system consisting of three wells in northern Wasilla. Identified potential and current sources of contaminants for Westwood Subdivision include: large capacity and residential septic systems, highways and roads, and residential areas. These identified potential and existing sources of contamination are considered sources of bacteria and viruses, nitrates and/or nitrites, volatile organic chemicals, heavy metals, synthetic organic chemicals, and other organic chemicals. Overall, the public water sources for Westwood Subdivision received a vulnerability rating of **High** for bacteria and viruses and nitrates and nitrites, and **Medium** for, volatile organic chemicals, heavy metals, synthetic organic chemicals and other organic chemicals.

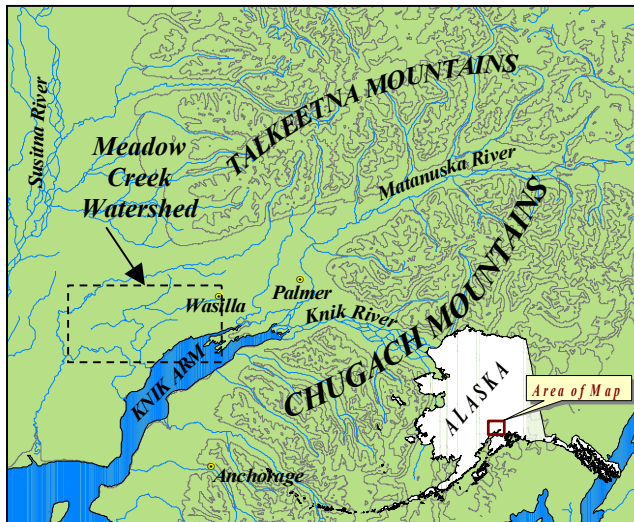


Figure 1. Index Map showing the location of the Matanuska-Susitna Valley and the Meadow Creek Watershed.

INTRODUCTION

The purpose of this environmental assessment is to provide public water system owners and/or operators, communities, and local governments with information they can use to preserve the quality of Alaska's public drinking water supplies. This assessment was completed for the source of public drinking water serving Westwood Subdivision. This water system consists of three wells approximately in northern Wasilla. This assessment, known under the Alaska Drinking Water Protection Program as the *Source Water Assessment*, has combined a review of the natural hydrogeologic sensitivity with potential and existing contaminant risks to arrive at an overall vulnerability of the drinking water source to contamination. This assessment has been completed as a basis for local voluntary protection efforts and to assist agencies in their efforts to reduce risk to this public drinking water supply.

DESCRIPTION OF THE MEADOW CREEK WATERSHED, ALASKA

Location

The Meadow Creek watershed is located within the Matanuska-Susitna Borough in southcentral Alaska. The Borough encompasses a total of 24,694 square miles supporting a population of approximately 60,000. It is contained within the watersheds of the Matanuska and Susitna Rivers which flow from the glacier melt waters in the Alaska Range, Talkeetna Mountains, and the Chugach Mountains to tidewater in the Knik Arm of Upper Cook Inlet (Jokela, Munter and Evans, 1991). This area between the Matanuska and Susitna Valleys is commonly referred to as the Mat-Su Valley. The Meadow Creek watershed extends from an area northwest of Wasilla to the west end of Big Lake, and contains 115 lakes, including Big Lake (Jokela, Munter and Evans, 1991) (see Figure 1). The towns of Wasilla, Big Lake, and Houston lie on the outskirts of its boundaries.

Climate

The climate in the Mat-Su Valley is considered transitional between the extreme temperature fluctuations of Interior Alaska and the wet conditions of the coastal areas.

The Meadow Creek watershed is less than 15 miles from Knik Arm and less than 75 miles from Prince William Sound. Summer temperatures are more moderate than those in the Interior due to the proximity to the coast. The Chugach and Talkeetna Mountains and the Alaska Range also protect the area from the frigid cold of the Interior Alaska winter and act to break up strong storm fronts (*Brabets, 1997*), (*Western Regional Climate Center, 2000*).

The Mat-Su Valley area averages about 18 inches of precipitation per year, including about 59 inches of snowfall. Winter thaws can decrease snow cover to a few inches. Mean monthly high temperatures range from about 22 degrees Fahrenheit in December and January to 69 degrees in July. The frost-free period in spring and summer averages 115 days, with the first frost usually arriving by September 1.

The record low for Wasilla was -50 degrees in January 1947. The highest recorded temperature was 90 degrees in 1969 (*Wickersham Alaska Corporation, 1986*).

Physiography and Groundwater Conditions

Glacial forces during the end of the last ice age shaped the Mat-Su Valley. Several glacial advances and retreats left a complex system of hills, ridges, lakes, and lowlands that define the topography of today. Surface elevations in the Mat-Su Valley range from sea level where the Knik and Matanuska Rivers enter the Cook Inlet to well over 6,000 feet in the peaks that bound the area. Landforms in the area consist of undulating ridges of glacial till and flat benches of sand and gravel outwash (*Matanuska-Susitna Borough*). The Meadow Creek watershed lies in relatively flat area of the Matanuska River valley.

The regional geology and ground water conditions of the Mat-Su Valley vary greatly by location. Glacial advances and retreats also formed a fluctuating subsurface system of unconsolidated layers comprised of fine- to coarse-grained particles (clay to boulders) and consolidated confining layers. The majority of wells in the Mat-Su Valley are located in unconsolidated layers consisting of relatively well-sorted sands and gravels. These unconsolidated layers vary substantially in size and distribution throughout the Valley. In general, the unconsolidated layers increase in thickness moving towards Cook Inlet (*Jokela, Munter and Evans, 1991*). The numerous confining layers in the area, ranging in thickness from

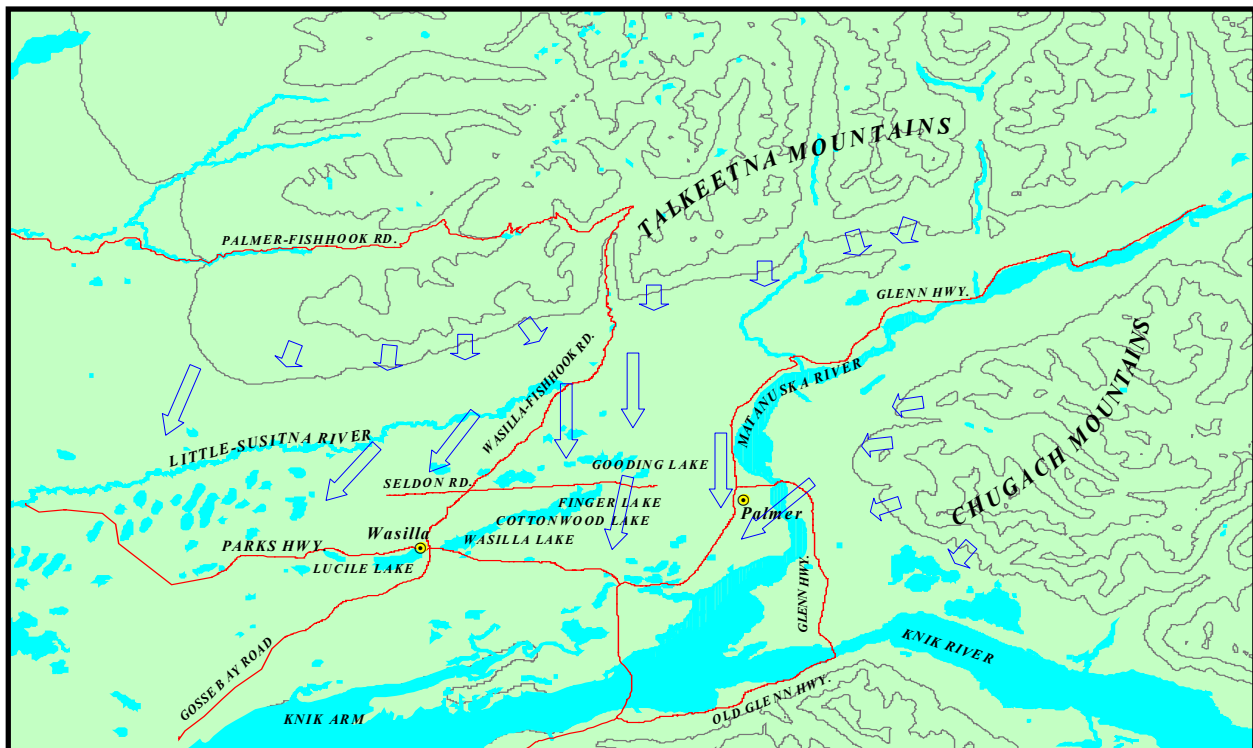


Figure 2. Map showing groundwater flow in the Matanuska-Susitna Valley (Jokela, Munter and Evans, 1991).

less than 1 foot to 60 feet, divide the unconsolidated layers.

Groundwater flow in the deeper confined aquifers of the Mat-Su Valley is generally north to south in the central region of the valley flowing toward the Matanuska River and gradually becoming more northeast to southwest in the western region. The direction of groundwater flow in the upper unconfined aquifers are more variable due to the influence from surficial topography as well as its close connection with surface water bodies (*Jokela, Munter and Evans, 1991*) (Figure 2). The groundwater flow direction of the Meadow Creek watershed was generally found to be northeast to southwest in both the unconfined and confined aquifers.

In the Mat-Su Valley, groundwater is primarily recharged by snowmelt and precipitation infiltrating both directly and also from the infiltration into the foothill slopes of the Talkeetna and Chugach Mountains.

WESTWOOD SUBDIVISION'S PUBLIC DRINKING WATER SYSTEM

Westwood Subdivision' public water system is a Class A (non-transient/non-community) water system. The system consists of three wells along Canterbury Drive nearest Alderney Circle (T18N, R1W, Section 28). This area is at an elevation of approximately 450 feet above sea level.

The three wells are alternately pumped on a rotation basis. Each well is draws water from the same aquifer; the depth of each well is approximately 56 feet below ground surface. Well number 1 was installed on 12/20/83, well number 2 was installed on 6/10/94, and well number 3 was installed on 12/13/94. All were completed in 6-inch casing with a 10-foot screen. The three wells were installed with a cap providing a sanitary seal. A properly installed sanitary seal may provide protection against contaminants from entering the source waters at the well casing. The three wells are also grouted according the ADEC regulations. Proper grouting provides added protection against contaminants travelling along the well casing and into source waters.

ASSESSMENT AND PROTECTION AREA FOR WESTWOOD SUBDIVISION'S DRINKING WATER SOURCE

The Drinking Water Protection and Assessment Area that has been established for Westwood Subdivision's source of drinking water is the area that is most sensitive to contamination. This area has served as a

basis for assessing the risk of the drinking water source to contamination. The zones around the drinking water source outline the most critical area for the preservation of the quality of the drinking water for this system. For simplicity, this area will be known as your Drinking Water Protection Area and will serve as the focus for voluntary protection efforts.

Conceptually, groundwater enters the aquifer systems through infiltration of direct precipitation within the area and also from the infiltration into the foothill slopes of the Talkeetna Mountains. An analytical calculation was used to determine the size and shape of the area that contributes water to the well. The input parameters describing the attributes of the aquifer in this calculation were adopted from the U.S. Geological Survey (*Patrick, Brabets, and Glass, 1989*). This analytical calculation was used as a guide as the first step in establishing the protection area for each public drinking water source in Anchorage. Additional methods were further employed to take into account any uncertainties in groundwater flow and aquifer characteristics to arrive at meaningful and conservative protection areas with respect to public health (Please refer to the Guidance Manual for Class A Public Water Systems for additional information).

The Drinking Water Protection Areas established for wells by the Alaska Department of Environmental Conservation are separated into zones. These zones correspond to a time-of-travel. Time-of-travel is the time required for water to move in the saturated zone of the ground from a specific point to the well. The Drinking Water Protection Area for Westwood Subdivision contains four zones, Zone A through Zone D (See Map 1 in Appendix A). Zone A corresponds to the area between the well and the distance equal to $\frac{1}{4}$ of the distance of the 2-year time-of-travel. Depending on where a contaminant source is located within Zone A, travel time for a contaminant to the wells may be on the order of several days to several hours. Zone A also extends downgradient from the wells to take into account the area of the aquifer that is influenced by pumping of the wells.

Zone B corresponds to a time-of-travel of less than two years. Zones C and D correspond to those areas between 5 years and 10 years time-of-travel, respectively.

INVENTORY OF POTENTIAL AND EXISTING CONTAMINANT SOURCES

The Drinking Water Protection Program has completed an inventory of potential and existing sources of contamination within the Drinking Water Protection Area for Westwood Subdivision. This survey was

completed through a search of agency records and other publicly available information. Potential sources of contamination to drinking water supplies cover a wide range of categories and types. Potential drinking water contaminants are found within agricultural, residential, commercial, and industrial areas, but can also occur within areas that have little or no development.

For the basis of this assessment and all Class A public water system assessments, six categories of drinking water contaminants were inventoried. They include:

- Bacteria and viruses
- Nitrates and/or nitrites
- Volatile organic chemicals
- Heavy metals, cyanide, and other inorganic chemicals
- Synthetic organic chemicals
- Other organic chemicals

Maps 2, 3, and 4 in Appendix C depict the Contaminant Source Inventory for Westwood Subdivision. Table 1 in Appendix B lists the inventoried potential sources of contamination within Zones A through D. Below is a summary of the contaminant sources inventoried within the Drinking Water Protection Area for Westwood Subdivision:

- Residential septic systems;
- large capacity septic systems;
- highways and roads, and
- approximately 300 acres of residential area.

These potential and existing contaminant sources present risk for all six categories of drinking water contaminants for Westwood Subdivision's source of public drinking water.

RANKING OF CONTAMINANT RISKS

Potential and existing sources of contamination have been identified, sorted, and ranked according to what type and level of risk they represent. Ranking of contaminant risks for a "potential" or "existing" source of contamination is a function of toxicity and volumes of specific contaminants associated with that source. Contaminant risks are further a function of the number and density of those types of contaminant sources as well as the proximity of those sources to the public drinking water wells.

VULNERABILITY OF WESTWOOD SUBDIVISION' DRINKING WATER SOURCE

Vulnerability of a drinking water source to contamination is a combination of two factors:

- natural susceptibility; and
- contaminant risks.

Each of the six categories of drinking water contaminants have been analyzed and an overall vulnerability score of 0 to 100 ultimately assigned:

$$\begin{array}{r}
 \text{Natural Susceptibility (0 – 50 points)} \\
 + \\
 \text{Contaminant Risks (0 – 50 points)} \\
 =
 \end{array}$$

Vulnerability of the
Drinking Water Source to Contamination (0 – 100).

A score for the Natural Susceptibility is achieved by analyzing the properties of the well and the aquifer.

$$\begin{array}{r}
 \text{Susceptibility of the Wellhead (0 – 25 Points)} \\
 + \\
 \text{Susceptibility of the Aquifer (0 – 25 Points)} \\
 = \text{Natural Susceptibility (Susceptibility of the Well)} \\
 \text{(0 – 50 Points)}
 \end{array}$$

The well serving Westwood Subdivision was completed in an unconfined aquifer. The depth to water surface is approximately 23 feet below land surface. The saturated thickness of the aquifer in which the well is screened in is approximately 80 feet and composed of sand and gravel with a layer of "hard pan". The absence of a confining layer allows contaminants that enter the subsurface within the vicinity of the well and Drinking Water Protection Area to migrate to the screened portion of the well uninhibited.

Combining the susceptibility of the wellhead and the aquifer to contamination leads to a score (0 – 50 points) and rating of overall Susceptibility of the well to contamination (See Appendix D). Table 1 depicts the overall Susceptibility score and rating for the sources of public drinking water serving Westwood Subdivision.

Table 1. Natural Susceptibility - Susceptibility of the Wellheads and Aquifer to Contamination

	Score	Rating
Susceptibility of the Wellheads	0	Low
Susceptibility of the Aquifer	24	Very High
Natural Susceptibility	24	High

Contaminant risks to a drinking water source depend on the type, number or density, and distribution of contaminant sources. A score (0 – 50 points) and rating of Contaminant Risks (See Appendix D) is assigned based on the findings of the Contaminant Source Inventory (See Appendix B - Table 1 – Table 7). This portion of the analysis examines recent existing or historical contamination that has been detected at the drinking water sources through routine sampling. It also reviews contamination that has or may have occurred but has not arrived or been detected at the either well. Table 2 summarizes the Contaminant Risks for each category of drinking water contaminants.

Table 2. Contaminant Risks of Westwood Subdivision’s Public Drinking Water Source to Contamination by Category

Contaminant Risks	Score	Rating
Bacteria and Viruses	45	Very High
Nitrates and/or Nitrites	50	Very High
Volatile Organic Chemicals	22	Medium
Heavy Metals, Cyanide, And Other Inorganic Chemicals	12	Low
Synthetic Organic Chemicals	12	Low
Other Organic Chemicals	12	Low

Appendix D contains fourteen charts, which together form the ‘Vulnerability Analysis’ for a Class A public drinking water system. Chart 1 analyzes the ‘Susceptibility of the Wellhead’ to contamination by looking at the construction of the well and its surrounding area. Chart 2 analyzes the ‘Susceptibility of the Aquifer’ to contamination by looking at the naturally occurring attributes of the water source and influences on the groundwater system that might lead to contamination. Chart 3 analyzes ‘Contaminant Risks’ for the drinking water source with respect to bacteria and viruses. The ‘Contaminant Risks’ portion of the analysis considers potential sources of contaminants as well as a review of contamination that has or may have

occurred but has not arrived or been detected at the well. Lastly, Chart 4 contains the ‘Vulnerability Analysis for Bacteria and Viruses’. Charts 5 through 14 contain the Contaminant Risks and Vulnerability Analysis for nitrates and nitrites, volatile organic chemicals, heavy metals, synthetic organic chemicals, and other organic chemicals, respectively.

Vulnerability of drinking water sources to contamination is the combination of susceptibility of the aquifer and the well with contaminant risks. Table 3 contains the overall vulnerability scores (0 – 100) and ratings for each of the six categories of drinking water contaminants (See Appendix D). Note: scores are rounded off to the nearest five.

Table 3. Overall Vulnerability of Westwood Subdivision’s Public Drinking Water Source to Contamination by Category

Category	Score	Rating
Bacteria and Viruses	70	High
Nitrates and Nitrites	75	High
Volatile Organic Chemicals	45	Medium
Heavy Metals, Cyanide, and Other Inorganic Chemicals	35	Low
Synthetic Organic Chemicals	35	Low
Other Organic Chemicals	35	Low

Tables 2 through 7 in Appendix B contain the ranking of potential and existing sources of contamination with respect to bacteria and viruses, nitrates and/or nitrites, heavy metals, synthetic organic chemicals, and other organic chemicals, respectively.

The residential septic systems, highways and roads, and activities associated with residential areas in Westwood Subdivision’s drinking water protection area each contribute to the increase in potential contaminant risk in all six contaminant categories.

The large capacity septic systems found in zone A and also the high density of residential septic systems significantly increase the risk for both bacteria and viruses and nitrates and nitrites. Large capacity septic systems are classified as a type of Class V Injection well, and differ from residential septic systems in that they serve multiple dwellings, businesses, or communities. This classification does not include single family residential and other non-residential system serving less than 20 people. Septic systems are designed to leach domestic wastewater in the

subsurface. If engineered and operating properly, leach fields for septic systems should filter and stop the migration of microorganisms in the subsurface. However, failure of a septic system can result in the migration of contaminants away from the leach field, sometimes to great distances, especially in highly transmissive soils.

Only a small amount of bacteria and viruses are required to endanger public health. Bacteria and viruses have not been detected during recent water sampling of the Westwood Subdivision water system, but it receives a ranking of high because of the potential risk sources.

Nitrates and/or nitrites are found in natural background concentration at this site, as elsewhere throughout Alaska. Nitrate concentrations in uncontaminated groundwater are typically less than 2 milligrams per liter (mg/L) and are derived primarily from the decomposition of organic matter in soils [Wang, Strelakos, Jokela, 2000].

Sampling history for Westwood Subdivision wells indicates that low concentrations of nitrate have been detected (See Chart 5 - Contaminant Risks for Nitrates and/or Nitrites in Appendix D). Existing nitrate concentration is approximately 1.5 mg/L or 15% of the Maximum Contaminant Level (MCL). The MCL is the maximum level of contaminant that is allowed to exist in drinking water and still be consumed by humans without harmful health effects. Due to the high solubility and weak retention by soil, nitrates are very mobile, moving at approximately the same rate as water.

It is unknown how much of the existing nitrate concentration can be attributed to natural or human-made sources, although there is a trend of increasing concentration in recent sampling. Review of the historical sampling data indicates that the surrounding septic systems could possibly have impacted the groundwater source shown by the trend of increasing concentration. Though existing nitrate contamination was detected at the site, concentrations remain at safe levels with respect to human health.

SUMMARY

A *Source Water Assessment* has been completed for the sources of public drinking water serving Westwood Subdivision. The overall vulnerability of this source to contamination is **High** for bacteria and viruses and nitrates and nitrites, and **Medium** for volatile organic chemicals, heavy metals, synthetic organic chemicals and other organic chemicals. This assessment of contaminant risks can be used as a foundation for local voluntary protection efforts as well as a basis for the

continuous efforts on the part of Westwood Subdivision to protect public health. It is anticipated that *Source Water Assessments* will be updated every five years to reflect any changes in the vulnerability and/or susceptibility of Westwood Subdivision's public drinking water source.

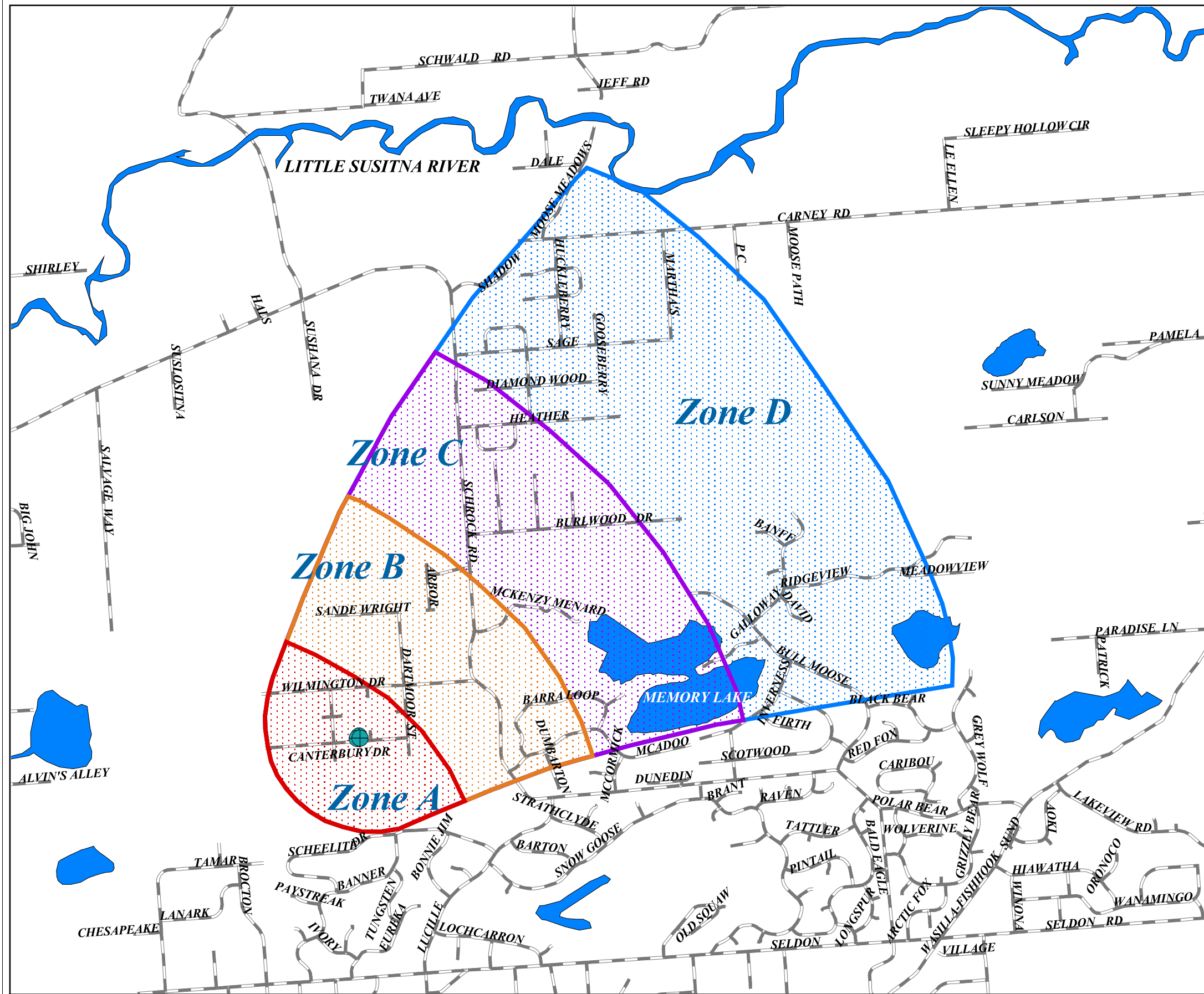
REFERENCES CITED

- Alaska Department of Community and Economic Development, 2001 [WWW document]. URL http://www.dced.state.ak.us/mra/CF_BLOCK.cfm.
- Alaska Department of Labor, State of Alaska 2001 [WWW document]. URL <http://146.63.75.45/census2000/>.
- Brabets, T., 1997, Precipitation map of Alaska, Web extension to the U.S. Geological Survey Water Resources for Alaska GIS datasets. <URL:<http://agdc.usgs.gov/data/usgs/water>> .
- Jokela, J.B., Munter, J.A., and Evans, J.G., 1991, Ground-water resources of the Plamer-Big Lake area, Alaska: a conceptual model. Division of Geological & Geophysical Surveys Reports of Investigations 90-4, State of Alaska Department of Natural Resources, Fairbanks, AK.
- Matanuska-Susitna Borough, 1985, Knik-Matanuska-Sisitna: A Visual History of the Valleys, Wasilla, AK.
- Patrick, L.D., Brabets, T.P., and Glass, R.L., 1989, Simulation of ground-water flow at Anchorage, Alaska: US Geological Survey Water-Resources Investigations Report 88-4139, 41p.
- Western Regional Climate Center, 2000, August 24, Web extension to the *Western Regional Climate Center* [WWW document]. URL <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?akmatv>
- Wickersham Alaska Corporation, 1986, Wasilla Comprehensive Plan, Anchorage, AK.

APPENDIX A

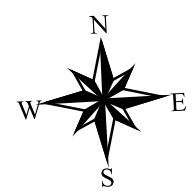
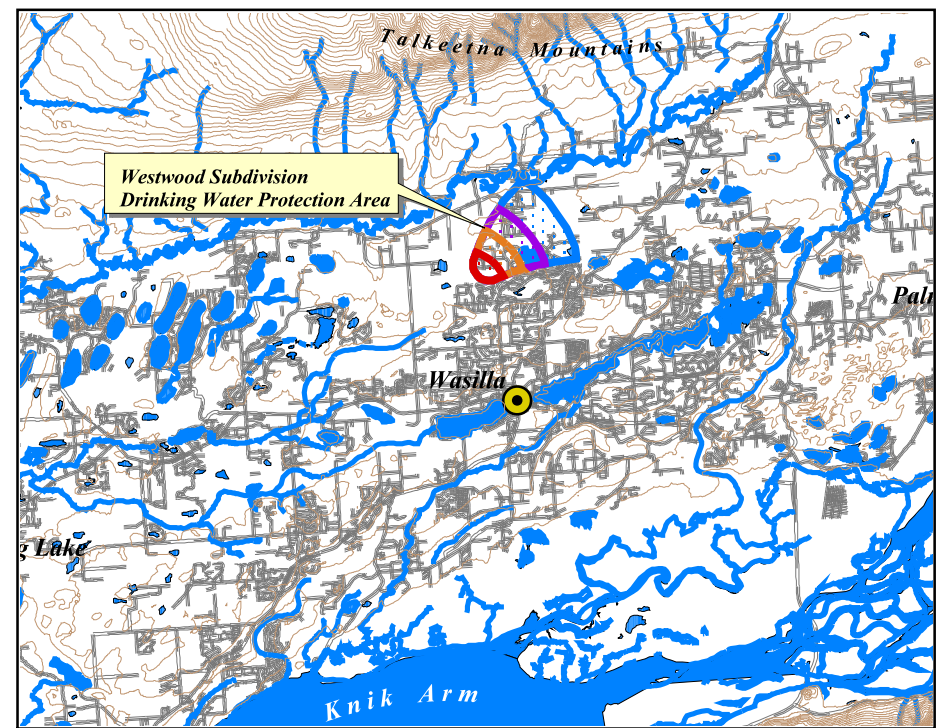
Westwood Subdivision Drinking Water Protection Area

Westwood Subdivision Drinking Water Protection Area



Legend

- Westwood Subdivision Wells
- Zone A Protection Area**
- Several Months Travel Time
- Zone B Protection Area**
- Less Than 2 Years Travel Time
- Zone C Protection Area**
- Less Than 5 Years Travel Time
- Zone D Protection Area**
- Less Than 10 Years Travel Time
- Lakes
- Roads



APPENDIX B

Contaminant Source Inventory and Risk Ranking for Westwood Subdivision

Table 1

**Contaminant Source Inventory for
Westwood Subdivision**

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Contaminant Source Type	Contaminant Source ID	CS ID tag	Zone	Location	Map Number	Comments
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-1	A	Preston Ave	2	
Residential Areas	R01	R1-1	A	Wilmington, Canterbury, and Dartmoor	4	44 acres of residential area in Zone A
Septic systems (serves one single-family home)	R02	R2-01	A	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-02	A	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-03	A	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-04	A	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-05	A	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-06	A	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-07	A	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-08	A	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-09	A	Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-10	A	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-11	A	Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-12	A	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-13	A	Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-14	A	St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-15	A	Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-16	A	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-17	A	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-18	A	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-19	A	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-20	A	Canterbury Dr	2	

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-21	A	Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-22	A	Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-23	A	Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-24	A	Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-25	A	Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-26	A	Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-27	A	Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-28	A	St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-29	A	Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-30	A	St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-31	A	Corner of St. Ives Cir and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-32	A	Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-33	A	Corner of Preston Ave and Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-34	A	Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-35	A	Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-36	A	Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-37	A	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-38	A	Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-39	A	Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-40	A	Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-41	A	Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-42	A	Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-43	A	Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-44	A	Wilmington Dr	2	

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-45	A	Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-46	A	Corner of Wilmington Dr and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-47	A	Scheelite Dr	2	
Highways and roads, dirt/gravel	X24	X24-01	A	Canterbury Dr	4	
Highways and roads, dirt/gravel	X24	X24-02	A	Preston Ave	4	
Highways and roads, dirt/gravel	X24	X24-3	A	Wilmington Dr	4	
Residential Areas	R01	R1-2	B	Schrock Rd and Barra Loop	4	56 acres of residential area in Zone B
Septic systems (serves one single-family home)	R02	R2-48	B	Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-49	B	Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-50	B	Corner of Haworth Cir and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-51	B	Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-52	B	Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-53	B	Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-54	B	Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-55	B	Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-56	B	Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-57	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-58	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-59	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-60	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-61	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-62	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-63	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-64	B	Barra Loop	3	

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-65	B	Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-66	B	Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-67	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-68	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-69	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-70	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-71	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-72	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-73	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-74	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-75	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-76	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-77	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-78	B	Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-79	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-80	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-81	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-82	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-83	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-84	B	Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-85	B	Country Ridge	3	
Septic systems (serves one single-family home)	R02	R2-86	B	Sande Wright	3	
Highways and roads, dirt/gravel	X24	X24-04	B	Schrock Rd	4	
Highways and roads, dirt/gravel	X24	X24-05	B	Mcadoo Way	4	
Highways and roads, dirt/gravel	X24	X24-06	B	Barra Loop	4	
Highways and roads, dirt/gravel	X24	X24-07	B	Arbor Way	4	
Highways and roads, dirt/gravel	X24	X24-08	B	Country Ridge Dr	4	

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-2	C	Heather Way	3	
Residential Areas	R01	R1-3	C	Schrock Rd, Burlwood Dr, and Barra Loop	4	200 acres of residential area in Zone C
Septic systems (serves one single-family home)	R02	R2-87to135	C	Between Diamond Wood Way and Mcadoo	3	
Highways and roads, dirt/gravel	X24	X24-10	C	Burlwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-11	C	Ashwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-12	C	White Spruce Loop	4	
Highways and roads, dirt/gravel	X24	X24-13	C	Heather Way	4	
Highways and roads, dirt/gravel	X24	X24-9	C	Burlwood Cir	4	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-3	D	Mountain Ash Loop	4	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-4	D	Carney Rd	4	

Table 2

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Bacteria and Viruses*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-1	A	High	1	Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-01	A	Low	2	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-02	A	Low	3	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-03	A	Low	4	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-04	A	Low	5	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-05	A	Low	6	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-06	A	Low	7	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-07	A	Low	8	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-08	A	Low	9	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-09	A	Low	10	Corner of Preston Ave and Canterbury Dr	2	
Residential Areas	R01	R1-1	A	Low		Wilmington, Canterbury, and Dartmoor	4	44 acres of residential area in Zone A
Septic systems (serves one single-family home)	R02	R2-10	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-11	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-12	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-13	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-14	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-15	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-16	A	Low		Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-17	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-18	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-19	A	Low		Canterbury Dr	2	

Table 2 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Bacteria and Viruses*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-20	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-21	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-22	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-23	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-24	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-25	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-26	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-27	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-28	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-29	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-30	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-31	A	Low		Corner of St. Ives Cir and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-32	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-33	A	Low		Corner of Preston Ave and Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-34	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-35	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-36	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-37	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-38	A	Low		Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-39	A	Low		Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-40	A	Low		Haworth Cir	2	

Table 2 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Bacteria and Viruses*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-41	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-42	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-43	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-44	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-45	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-46	A	Low		Corner of Wilmington Dr and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-47	A	Low		Scheelite Dr	2	
Highways and roads, dirt/gravel	X24	X24-01	A	Low		Canterbury Dr	4	
Highways and roads, dirt/gravel	X24	X24-02	A	Low		Preston Ave	4	
Highways and roads, dirt/gravel	X24	X24-3	A	Low		Wilmington Dr	4	
Residential Areas	R01	R1-2	B	Low		Schrock Rd and Barra Loop	4	56 acres of residential area in Zone B
Septic systems (serves one single-family home)	R02	R2-48	B	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-49	B	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-50	B	Low		Corner of Haworth Cir and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-51	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-52	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-53	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-54	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-55	B	Low		Corner of Wilmington Dr and Schrock Rd	2	

Table 2 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Bacteria and Viruses*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-56	B	Low		Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-57	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-58	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-59	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-60	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-61	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-62	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-63	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-64	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-65	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-66	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-67	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-68	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-69	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-70	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-71	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-72	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-73	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-74	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-75	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-76	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-77	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-78	B	Low		Schrock Rd	3	

Table 2 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Bacteria and Viruses*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-79	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-80	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-81	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-82	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-83	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-84	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-85	B	Low		Country Ridge	3	
Highways and roads, dirt/gravel	X24	X24-04	B	Low		Schrock Rd	4	
Highways and roads, dirt/gravel	X24	X24-05	B	Low		Mcadoo Way	4	
Highways and roads, dirt/gravel	X24	X24-06	B	Low		Barra Loop	4	
Highways and roads, dirt/gravel	X24	X24-07	B	Low		Arbor Way	4	
Highways and roads, dirt/gravel	X24	X24-08	B	Low		Country Ridge Dr	4	

Table 3

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Nitrates/Nitrites*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-1	A	High	1	Preston Ave	2	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-2	C	High	2	Heather Way	3	
Septic systems (serves one single-family home)	R02	R2-01	A	Low	3	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-02	A	Low	4	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-03	A	Low	5	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-04	A	Low	6	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-05	A	Low	7	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-06	A	Low	8	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-07	A	Low	9	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-08	A	Low	10	Alderney Cir	2	
Residential Areas	R01	R1-1	A	Low		Wilmington, Canterbury, and Dartmoor	4	44 acres of residential area in Zone A
Septic systems (serves one single-family home)	R02	R2-09	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-10	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-11	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-12	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-13	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-14	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-15	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-16	A	Low		Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-17	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-18	A	Low		Canterbury Dr	2	

Table 3 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Nitrates/Nitrites*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-19	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-20	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-21	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-22	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-23	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-24	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-25	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-26	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-27	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-28	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-29	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-30	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-31	A	Low		Corner of St. Ives Cir and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-32	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-33	A	Low		Corner of Preston Ave and Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-34	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-35	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-36	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-37	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-38	A	Low		Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-39	A	Low		Corner of Canterbury Dr and Dartmoor St	2	

Table 3 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Nitrates/Nitrites*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-40	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-41	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-42	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-43	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-44	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-45	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-46	A	Low		Corner of Wilmington Dr and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-47	A	Low		Scheelite Dr	2	
Highways and roads, dirt/gravel	X24	X24-01	A	Low		Canterbury Dr	4	
Highways and roads, dirt/gravel	X24	X24-02	A	Low		Preston Ave	4	
Highways and roads, dirt/gravel	X24	X24-3	A	Low		Wilmington Dr	4	
Residential Areas	R01	R1-2	B	Low		Schrock Rd and Barra Loop	4	56 acres of residential area in Zone B
Septic systems (serves one single-family home)	R02	R2-48	B	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-49	B	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-50	B	Low		Corner of Haworth Cir and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-51	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-52	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-53	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-54	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-55	B	Low		Corner of Wilmington Dr and Schrock Rd	2	

Table 3 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Nitrates/Nitrites*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-56	B	Low		Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-57	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-58	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-59	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-60	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-61	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-62	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-63	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-64	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-65	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-66	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-67	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-68	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-69	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-70	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-71	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-72	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-73	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-74	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-75	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-76	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-77	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-78	B	Low		Schrock Rd	3	

Table 3 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Nitrates/Nitrites*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-79	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-80	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-81	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-82	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-83	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-84	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-85	B	Low		Country Ridge	3	
Septic systems (serves one single-family home)	R02	R2-86	B	Low		Sande Wright	3	
Highways and roads, dirt/gravel	X24	X24-04	B	Low		Schrock Rd	4	
Highways and roads, dirt/gravel	X24	X24-05	B	Low		Mcadoo Way	4	
Highways and roads, dirt/gravel	X24	X24-06	B	Low		Barra Loop	4	
Highways and roads, dirt/gravel	X24	X24-07	B	Low		Arbor Way	4	
Highways and roads, dirt/gravel	X24	X24-08	B	Low		Country Ridge Dr	4	
Residential Areas	R01	R1-3	C	Low		Schrock Rd, Burlwood Dr, and Barra Loop	4	200 acres of residential area in Zone C
Septic systems (serves one single-family home)	R02	R2-87to135	C	Low		Between Diamond Wood Way and Mcadoo	3	
Highways and roads, dirt/gravel	X24	X24-10	C	Low		Burlwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-11	C	Low		Ashwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-12	C	Low		White Spruce Loop	4	
Highways and roads, dirt/gravel	X24	X24-13	C	Low		Heather Way	4	
Highways and roads, dirt/gravel	X24	X24-9	C	Low		Burlwood Cir	4	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-3	D	High		Mountain Ash Loop	4	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-4	D	High		Carney Rd	4	

Table 3 (continued)

Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Nitrates/Nitrites

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
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Table 4

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Volatile Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-1	A	Low	1	Preston Ave	2	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-2	C	Low	2	Heather Way	3	
Septic systems (serves one single-family home)	R02	R2-01	A	Low	3	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-02	A	Low	4	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-03	A	Low	5	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-04	A	Low	6	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-05	A	Low	7	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-06	A	Low	8	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-07	A	Low	9	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-08	A	Low	10	Alderney Cir	2	
Residential Areas	R01	R1-1	A	Low		Wilmington, Canterbury, and Dartmoor	4	44 acres of residential area in Zone A
Septic systems (serves one single-family home)	R02	R2-09	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-10	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-11	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-12	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-13	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-14	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-15	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-16	A	Low		Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-17	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-18	A	Low		Canterbury Dr	2	

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Volatile Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-19	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-20	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-21	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-22	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-23	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-24	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-25	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-26	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-27	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-28	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-29	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-30	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-31	A	Low		Corner of St. Ives Cir and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-32	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-33	A	Low		Corner of Preston Ave and Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-34	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-35	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-36	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-37	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-38	A	Low		Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-39	A	Low		Corner of Canterbury Dr and Dartmoor St	2	

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Volatile Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-40	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-41	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-42	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-43	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-44	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-45	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-46	A	Low		Corner of Wilmington Dr and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-47	A	Low		Scheelite Dr	2	
Highways and roads, dirt/gravel	X24	X24-01	A	Low		Canterbury Dr	4	
Highways and roads, dirt/gravel	X24	X24-02	A	Low		Preston Ave	4	
Highways and roads, dirt/gravel	X24	X24-3	A	Low		Wilmington Dr	4	
Residential Areas	R01	R1-2	B	Low		Schrock Rd and Barra Loop	4	56 acres of residential area in Zone B
Septic systems (serves one single-family home)	R02	R2-48	B	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-49	B	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-50	B	Low		Corner of Haworth Cir and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-51	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-52	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-53	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-54	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-55	B	Low		Corner of Wilmington Dr and Schrock Rd	2	

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Volatile Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-56	B	Low		Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-57	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-58	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-59	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-60	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-61	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-62	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-63	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-64	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-65	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-66	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-67	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-68	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-69	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-70	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-71	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-72	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-73	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-74	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-75	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-76	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-77	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-78	B	Low		Schrock Rd	3	

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Volatile Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-79	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-80	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-81	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-82	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-83	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-84	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-85	B	Low		Country Ridge	3	
Septic systems (serves one single-family home)	R02	R2-86	B	Low		Sande Wright	3	
Highways and roads, dirt/gravel	X24	X24-04	B	Low		Schrock Rd	4	
Highways and roads, dirt/gravel	X24	X24-05	B	Low		Mcadoo Way	4	
Highways and roads, dirt/gravel	X24	X24-06	B	Low		Barra Loop	4	
Highways and roads, dirt/gravel	X24	X24-07	B	Low		Arbor Way	4	
Highways and roads, dirt/gravel	X24	X24-08	B	Low		Country Ridge Dr	4	
Residential Areas	R01	R1-3	C	Low		Schrock Rd, Burlwood Dr, and Barra Loop	4	200 acres of residential area in Zone C
Septic systems (serves one single-family home)	R02	R2-87to135	C	Low		Between Diamond Wood Way and Mcadoo	3	
Highways and roads, dirt/gravel	X24	X24-10	C	Low		Burlwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-11	C	Low		Ashwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-12	C	Low		White Spruce Loop	4	
Highways and roads, dirt/gravel	X24	X24-13	C	Low		Heather Way	4	
Highways and roads, dirt/gravel	X24	X24-9	C	Low		Burlwood Cir	4	

Table 5

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision*

PWSID 225511.001

Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-1	A	Low	1	Preston Ave	2	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-2	C	Low	2	Heather Way	3	
Septic systems (serves one single-family home)	R02	R2-01	A	Low	3	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-02	A	Low	4	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-03	A	Low	5	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-04	A	Low	6	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-05	A	Low	7	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-06	A	Low	8	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-07	A	Low	9	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-08	A	Low	10	Alderney Cir	2	
Residential Areas	R01	R1-1	A	Low		Wilmington, Canterbury, and Dartmoor	4	44 acres of residential area in Zone A
Septic systems (serves one single-family home)	R02	R2-09	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-10	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-11	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-12	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-13	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-14	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-15	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-16	A	Low		Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-17	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-18	A	Low		Canterbury Dr	2	

Table 5 (continued)

Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision

PWSID 225511.001

Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-19	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-20	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-21	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-22	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-23	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-24	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-25	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-26	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-27	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-28	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-29	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-30	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-31	A	Low		Corner of St. Ives Cir and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-32	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-33	A	Low		Corner of Preston Ave and Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-34	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-35	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-36	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-37	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-38	A	Low		Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-39	A	Low		Corner of Canterbury Dr and Dartmoor St	2	

Table 5 (continued)

Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision

PWSID 225511.001

Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-40	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-41	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-42	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-43	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-44	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-45	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-46	A	Low		Corner of Wilmington Dr and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-47	A	Low		Scheelite Dr	2	
Highways and roads, dirt/gravel	X24	X24-01	A	Low		Canterbury Dr	4	
Highways and roads, dirt/gravel	X24	X24-02	A	Low		Preston Ave	4	
Highways and roads, dirt/gravel	X24	X24-3	A	Low		Wilmington Dr	4	
Residential Areas	R01	R1-2	B	Low		Schrock Rd and Barra Loop	4	56 acres of residential area in Zone B
Septic systems (serves one single-family home)	R02	R2-48	B	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-49	B	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-50	B	Low		Corner of Haworth Cir and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-51	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-52	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-53	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-54	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-55	B	Low		Corner of Wilmington Dr and Schrock Rd	2	

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision*

PWSID 225511.001

Table 5 (continued)

Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-56	B	Low		Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-57	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-58	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-59	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-60	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-61	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-62	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-63	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-64	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-65	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-66	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-67	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-68	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-69	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-70	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-71	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-72	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-73	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-74	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-75	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-76	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-77	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-78	B	Low		Schrock Rd	3	

Table 5 (continued)

Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision

PWSID 225511.001

Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-79	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-80	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-81	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-82	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-83	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-84	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-85	B	Low		Country Ridge	3	
Septic systems (serves one single-family home)	R02	R2-86	B	Low		Sande Wright	3	
Highways and roads, dirt/gravel	X24	X24-04	B	Low		Schrock Rd	4	
Highways and roads, dirt/gravel	X24	X24-05	B	Low		Mcadoo Way	4	
Highways and roads, dirt/gravel	X24	X24-06	B	Low		Barra Loop	4	
Highways and roads, dirt/gravel	X24	X24-07	B	Low		Arbor Way	4	
Highways and roads, dirt/gravel	X24	X24-08	B	Low		Country Ridge Dr	4	
Residential Areas	R01	R1-3	C	Low		Schrock Rd, Burlwood Dr, and Barra Loop	4	200 acres of residential area in Zone C
Septic systems (serves one single-family home)	R02	R2-87to135	C	Low		Between Diamond Wood Way and Mcadoo	3	
Highways and roads, dirt/gravel	X24	X24-10	C	Low		Burlwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-11	C	Low		Ashwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-12	C	Low		White Spruce Loop	4	
Highways and roads, dirt/gravel	X24	X24-13	C	Low		Heather Way	4	
Highways and roads, dirt/gravel	X24	X24-9	C	Low		Burlwood Cir	4	

Table 6

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Synthetic Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-1	A	Low	1	Preston Ave	2	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-2	C	Low	2	Heather Way	3	
Septic systems (serves one single-family home)	R02	R2-01	A	Low	3	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-02	A	Low	4	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-03	A	Low	5	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-04	A	Low	6	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-05	A	Low	7	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-06	A	Low	8	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-07	A	Low	9	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-08	A	Low	10	Alderney Cir	2	
Residential Areas	R01	R1-1	A	Low		Wilmington, Canterbury, and Dartmoor	4	44 acres of residential area in Zone A
Septic systems (serves one single-family home)	R02	R2-09	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-10	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-11	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-12	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-13	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-14	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-15	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-16	A	Low		Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-17	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-18	A	Low		Canterbury Dr	2	

Table 6 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Synthetic Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-19	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-20	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-21	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-22	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-23	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-24	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-25	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-26	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-27	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-28	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-29	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-30	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-31	A	Low		Corner of St. Ives Cir and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-32	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-33	A	Low		Corner of Preston Ave and Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-34	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-35	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-36	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-37	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-38	A	Low		Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-39	A	Low		Corner of Canterbury Dr and Dartmoor St	2	

Table 6 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Synthetic Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-40	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-41	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-42	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-43	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-44	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-45	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-46	A	Low		Corner of Wilmington Dr and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-47	A	Low		Scheelite Dr	2	
Residential Areas	R01	R1-2	B	Low		Schrock Rd and Barra Loop	4	56 acres of residential area in Zone B
Septic systems (serves one single-family home)	R02	R2-48	B	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-49	B	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-50	B	Low		Corner of Haworth Cir and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-51	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-52	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-53	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-54	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-55	B	Low		Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-56	B	Low		Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-57	B	Low		Barra Loop	3	

Table 6 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Synthetic Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-58	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-59	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-60	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-61	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-62	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-63	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-64	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-65	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-66	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-67	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-68	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-69	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-70	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-71	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-72	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-73	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-74	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-75	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-76	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-77	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-78	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-79	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-80	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-81	B	Low		Barra Loop	3	

Table 6 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Synthetic Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-82	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-83	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-84	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-85	B	Low		Country Ridge	3	
Septic systems (serves one single-family home)	R02	R2-86	B	Low		Sande Wright	3	
Residential Areas	R01	R1-3	C	Low		Schrock Rd, Burlwood Dr, and Barra Loop	4	200 acres of residential area in Zone C
Septic systems (serves one single-family home)	R02	R2-87to135	C	Low		Between Diamond Wood Way and Meadoo	3	

Table 7

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Other Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-1	A	Low	1	Preston Ave	2	
Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method)	D10	D10-2	C	Low	2	Heather Way	3	
Septic systems (serves one single-family home)	R02	R2-01	A	Low	3	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-02	A	Low	4	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-03	A	Low	5	Corner of Alderney Cir and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-04	A	Low	6	Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-05	A	Low	7	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-06	A	Low	8	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-07	A	Low	9	Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-08	A	Low	10	Alderney Cir	2	
Residential Areas	R01	R1-1	A	Low		Wilmington, Canterbury, and Dartmoor	4	44 acres of residential area in Zone A
Septic systems (serves one single-family home)	R02	R2-09	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-10	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-11	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-12	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-13	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-14	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-15	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-16	A	Low		Alderney Cir	2	
Septic systems (serves one single-family home)	R02	R2-17	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-18	A	Low		Canterbury Dr	2	

Table 7 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Other Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-19	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-20	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-21	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-22	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-23	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-24	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-25	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-26	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-27	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-28	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-29	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-30	A	Low		St. Ives Cir	2	
Septic systems (serves one single-family home)	R02	R2-31	A	Low		Corner of St. Ives Cir and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-32	A	Low		Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-33	A	Low		Corner of Preston Ave and Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-34	A	Low		Corner of Preston Ave and Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-35	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-36	A	Low		Dover Cir	2	
Septic systems (serves one single-family home)	R02	R2-37	A	Low		Canterbury Dr	2	
Septic systems (serves one single-family home)	R02	R2-38	A	Low		Corner of Canterbury Dr and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-39	A	Low		Corner of Canterbury Dr and Dartmoor St	2	

Table 7 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Other Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-40	A	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-41	A	Low		Cambric Cir	2	
Septic systems (serves one single-family home)	R02	R2-42	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-43	A	Low		Corner of Cambric Cir and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-44	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-45	A	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-46	A	Low		Corner of Wilmington Dr and Preston Ave	2	
Septic systems (serves one single-family home)	R02	R2-47	A	Low		Scheelite Dr	2	
Highways and roads, dirt/gravel	X24	X24-01	A	Low		Canterbury Dr	4	
Highways and roads, dirt/gravel	X24	X24-02	A	Low		Preston Ave	4	
Highways and roads, dirt/gravel	X24	X24-3	A	Low		Wilmington Dr	4	
Residential Areas	R01	R1-2	B	Low		Schrock Rd and Barra Loop	4	56 acres of residential area in Zone B
Septic systems (serves one single-family home)	R02	R2-48	B	Low		Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-49	B	Low		Haworth Cir	2	
Septic systems (serves one single-family home)	R02	R2-50	B	Low		Corner of Haworth Cir and Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-51	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-52	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-53	B	Low		Dartmoor St	2	
Septic systems (serves one single-family home)	R02	R2-54	B	Low		Corner of Dartmoor St and Wilmington Dr	2	
Septic systems (serves one single-family home)	R02	R2-55	B	Low		Corner of Wilmington Dr and Schrock Rd	2	

Table 7 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Other Organic Chemicals*

PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-56	B	Low		Corner of Wilmington Dr and Schrock Rd	2	
Septic systems (serves one single-family home)	R02	R2-57	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-58	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-59	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-60	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-61	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-62	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-63	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-64	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-65	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-66	B	Low		Schrock Rd	3	
Septic systems (serves one single-family home)	R02	R2-67	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-68	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-69	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-70	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-71	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-72	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-73	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-74	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-75	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-76	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-77	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-78	B	Low		Schrock Rd	3	

Table 7 (continued)

*Contaminant Source Inventory and Risk Ranking for
Westwood Subdivision
Sources of Other Organic Chemicals*

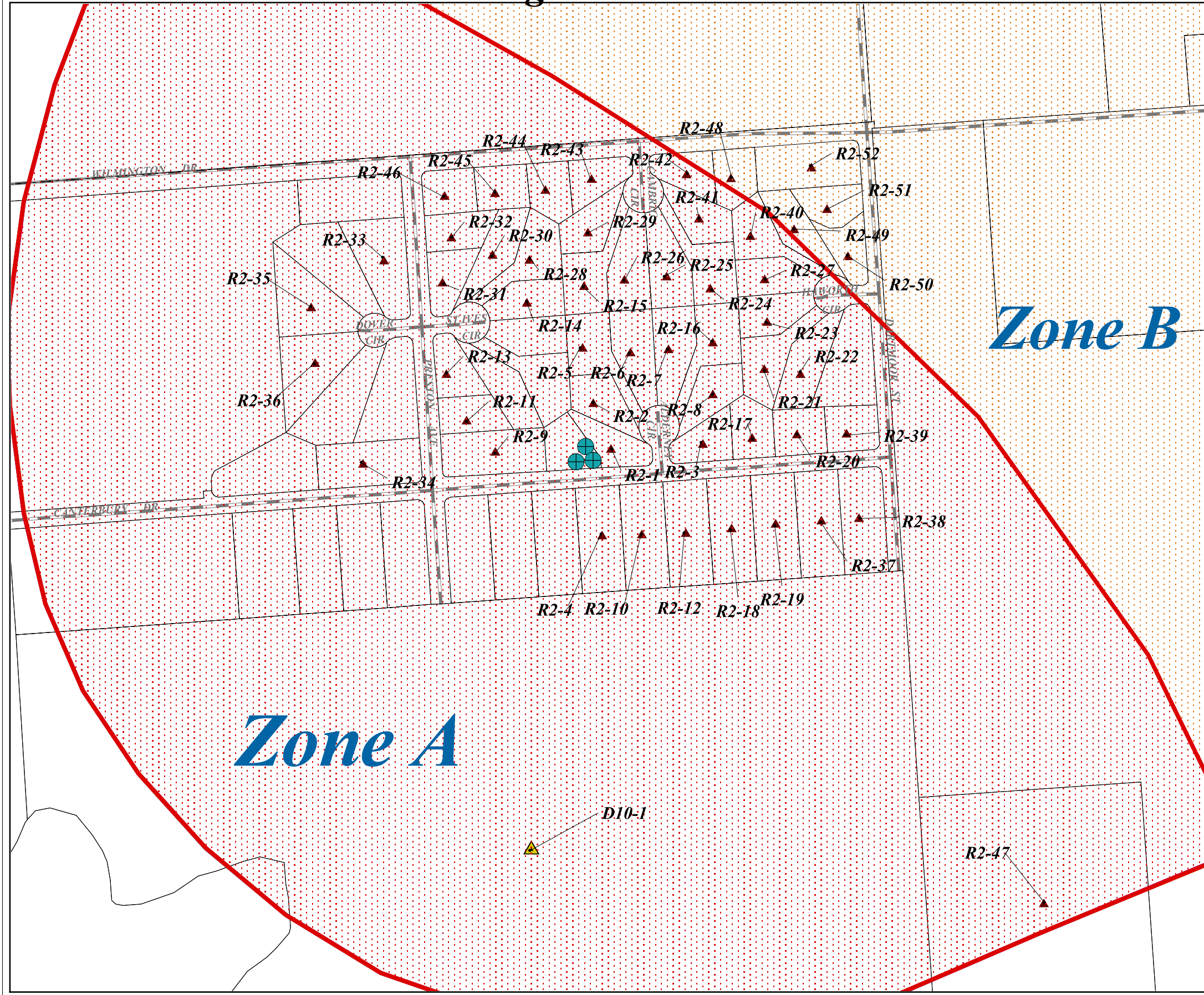
PWSID 225511.001

<i>Contaminant Source Type</i>	<i>Contaminant Source ID</i>	<i>CS ID tag</i>	<i>Zone</i>	<i>Risk Ranking for Analysis</i>	<i>Overall Rank after Analysis</i>	<i>Location</i>	<i>Map Number</i>	<i>Comments</i>
Septic systems (serves one single-family home)	R02	R2-79	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-80	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-81	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-82	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-83	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-84	B	Low		Barra Loop	3	
Septic systems (serves one single-family home)	R02	R2-85	B	Low		Country Ridge	3	
Septic systems (serves one single-family home)	R02	R2-86	B	Low		Sande Wright	3	
Highways and roads, dirt/gravel	X24	X24-04	B	Low		Schrock Rd	4	
Highways and roads, dirt/gravel	X24	X24-05	B	Low		Mcadoo Way	4	
Highways and roads, dirt/gravel	X24	X24-06	B	Low		Barra Loop	4	
Highways and roads, dirt/gravel	X24	X24-07	B	Low		Arbor Way	4	
Highways and roads, dirt/gravel	X24	X24-08	B	Low		Country Ridge Dr	4	
Residential Areas	R01	R1-3	C	Low		Schrock Rd, Burlwood Dr, and Barra Loop	4	200 acres of residential area in Zone C
Septic systems (serves one single-family home)	R02	R2-87to135	C	Low		Between Diamond Wood Way and Mcadoo	3	
Highways and roads, dirt/gravel	X24	X24-10	C	Low		Burlwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-11	C	Low		Ashwood Ct	4	
Highways and roads, dirt/gravel	X24	X24-12	C	Low		White Spruce Loop	4	
Highways and roads, dirt/gravel	X24	X24-13	C	Low		Heather Way	4	
Highways and roads, dirt/gravel	X24	X24-9	C	Low		Burlwood Cir	4	

APPENDIX C

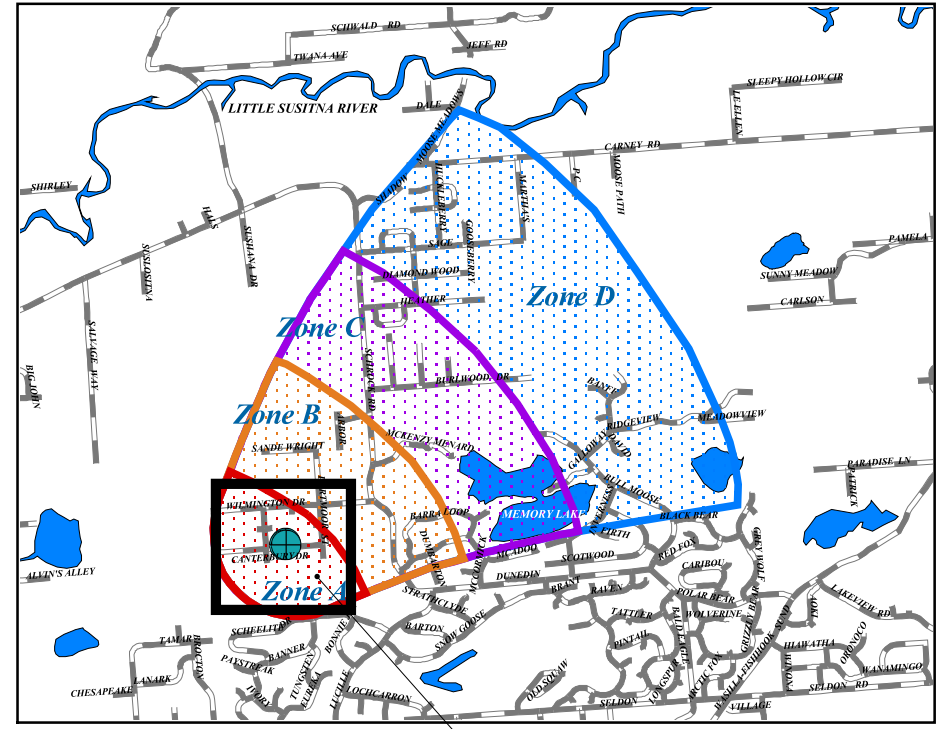
Westwood Subdivision Drinking Water Protection Area and Potential and Existing Contaminant Sources

Westwood Subdivision Drinking Water Protection Area with Potential & Existing Contaminant Sources



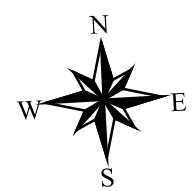
Legend

- Westwood Subdivision Wells
- Zone A Protection Area
- Several Months Travel Time
- Zone B Protection Area
- Less Than 2 Years Travel Time
- Zone C Protection Area
- Less Than 5 Years Travel Time
- Zone D Protection Area
- Parcels
- Roads
- Septic Systems
- Large Capacity Septic Systems (D10)
- Motor Vehicle Waste Class V Injection Well (D42)
- Single Family Septic System (R2)



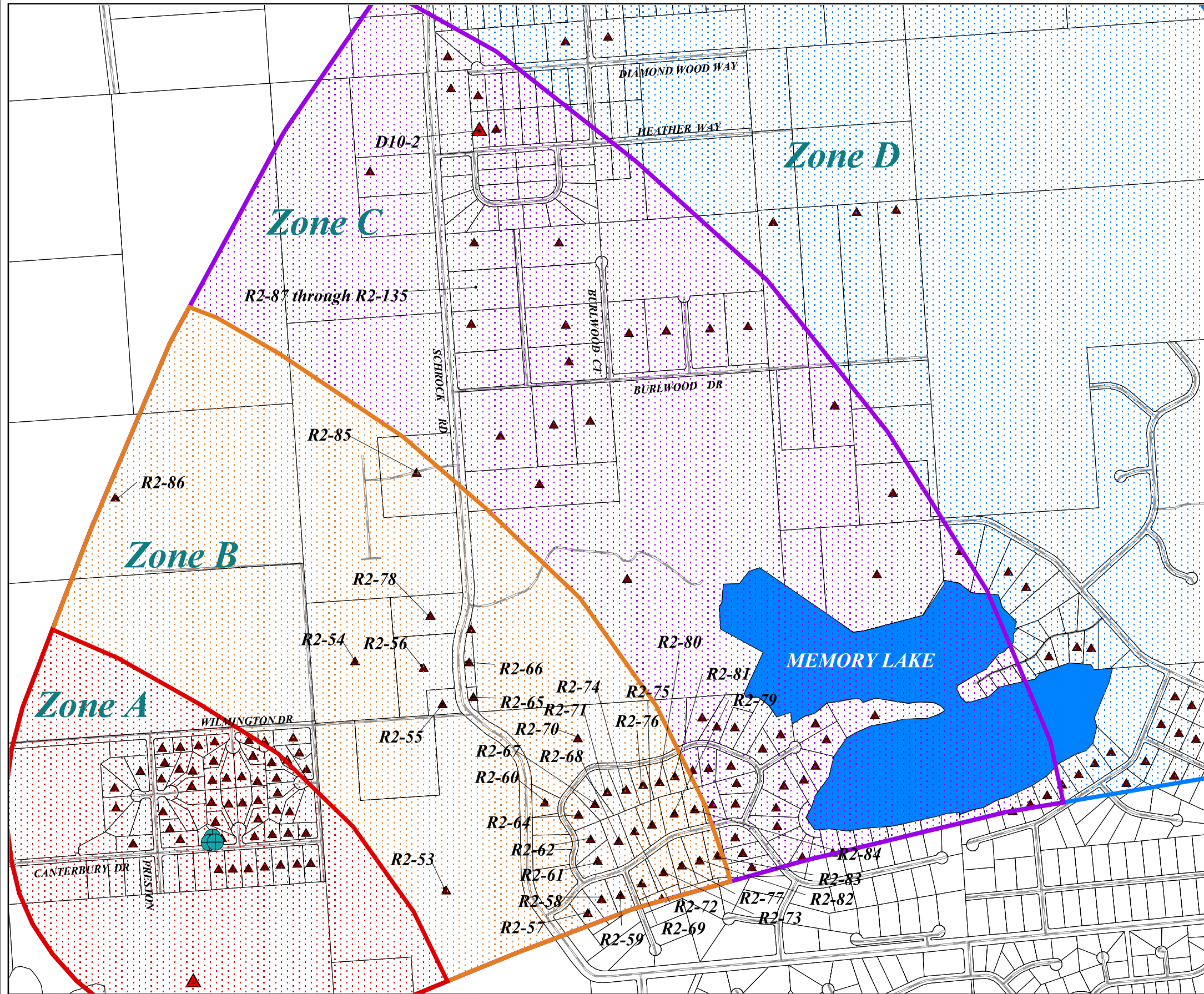
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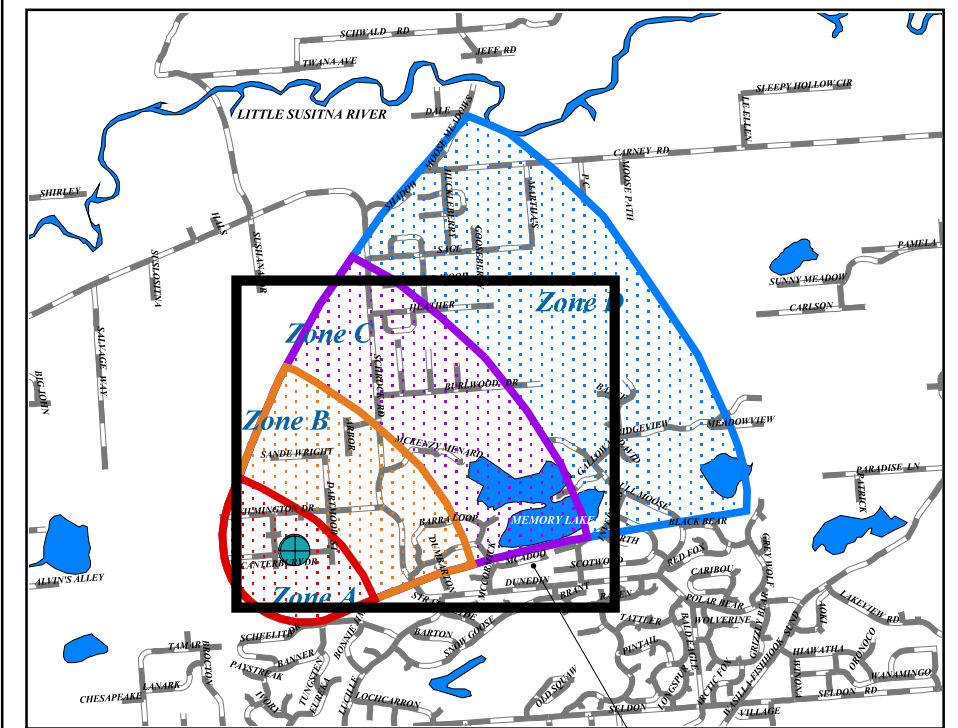
Map 2

Westwood Subdivision Drinking Water Protection Area with Potential & Existing Contaminant Sources



Legend

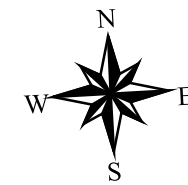
- Westwood Subdivision Wells
- Zone A Protection Area**
- Several Months Travel Time
- Zone B Protection Area**
- Less Than 2 Years Travel Time
- Zone C Protection Area**
- Less Than 5 Years Travel Time
- Zone D Protection Area**
- Less Than 10 Years Travel Time
- Lakes
- Parcels
- Roads
- Septic Systems**
- Large Capacity Septic Systems (D10)
- Single Family Septic Systems (R2)
- Septic Systems



Area of Map

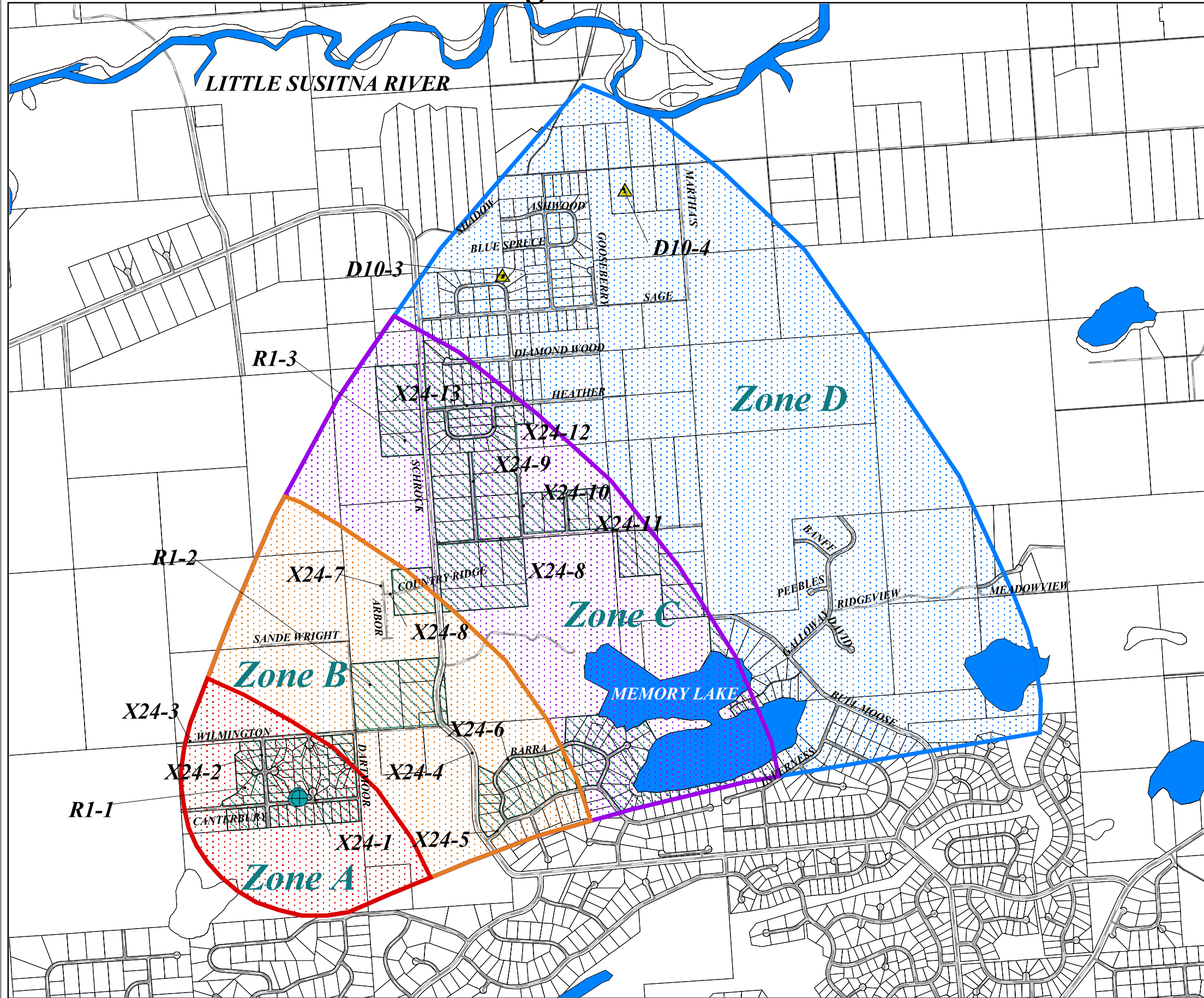
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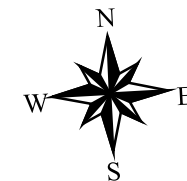
Map 3

Westwood Subdivision Drinking Water Protection Area with Potential & Existing Contaminant Sources



Legend

-  Westwood Subdivision Wells
- Zone A Protection Area**
-  Several Months Travel Time
- Zone B Protection Area**
-  Less Than 2 Years Travel Time
- Zone C Protection Area**
-  Less Than 5 Years Travel Time
- Zone D Protection Area**
-  Less Than 10 Years Travel Time
-  Lakes
-  Parcels
-  Roads
-  Large Capacity Septic Systems (D10)
-  Residential Areas (R1)



1 0 1 Miles

PWSID 225511

Map 4

APPENDIX D

Vulnerability Analysis for Westwood Subdivision Public Drinking Water Source

Chart 1. Susceptibility of the wellhead - Westwood Subdivision

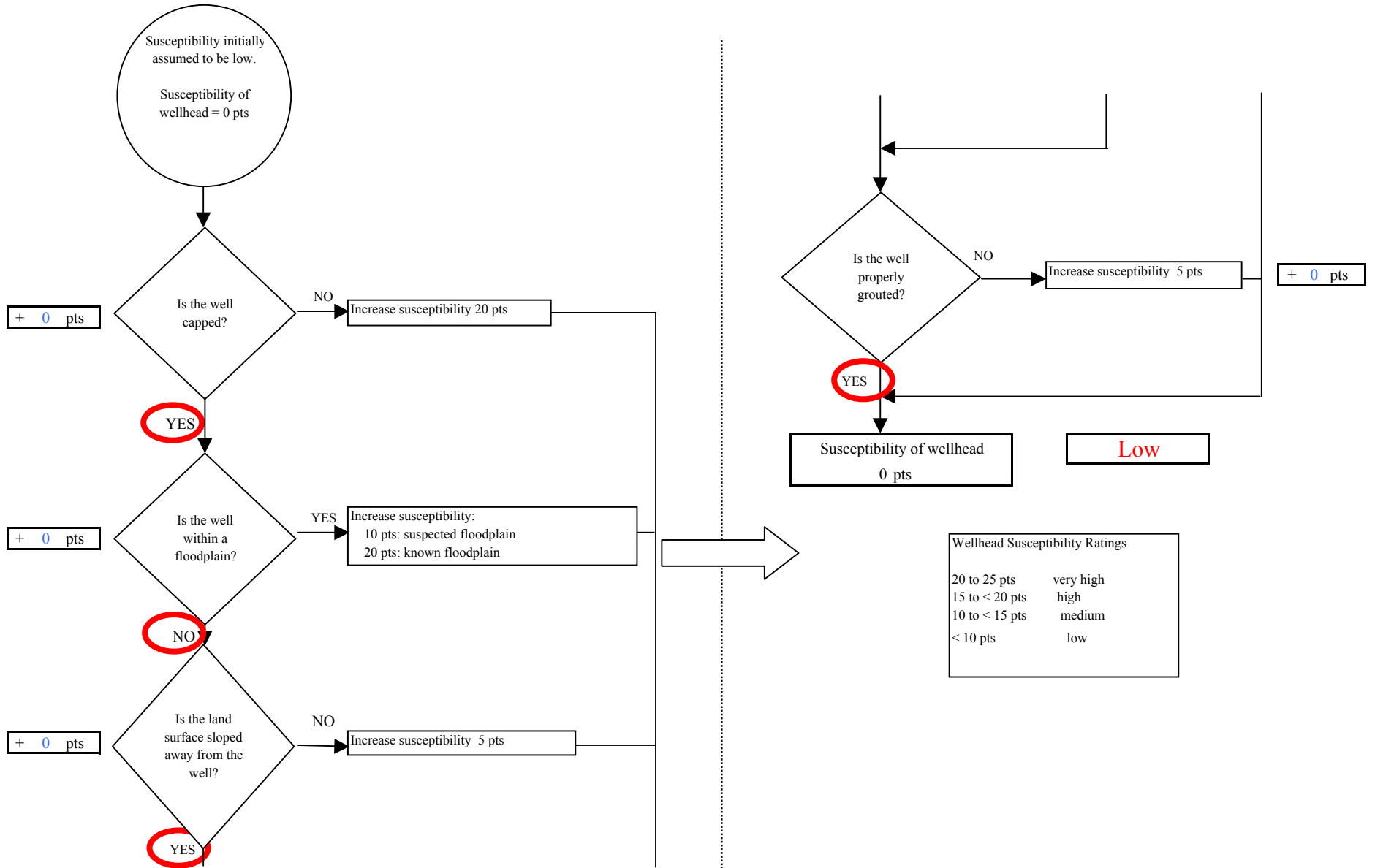


Chart 2. Susceptibility of the aquifer - Westwood Subdivision

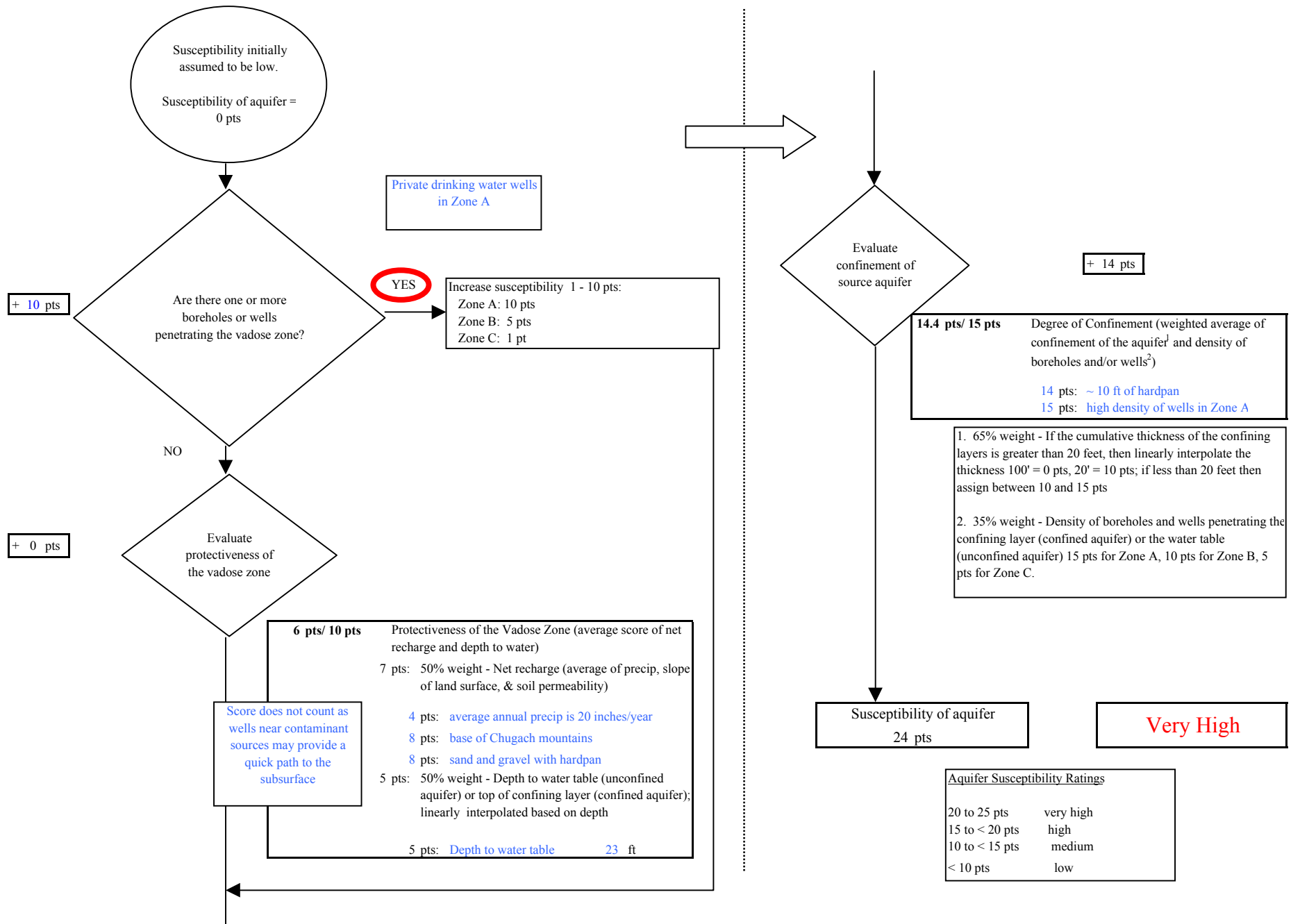
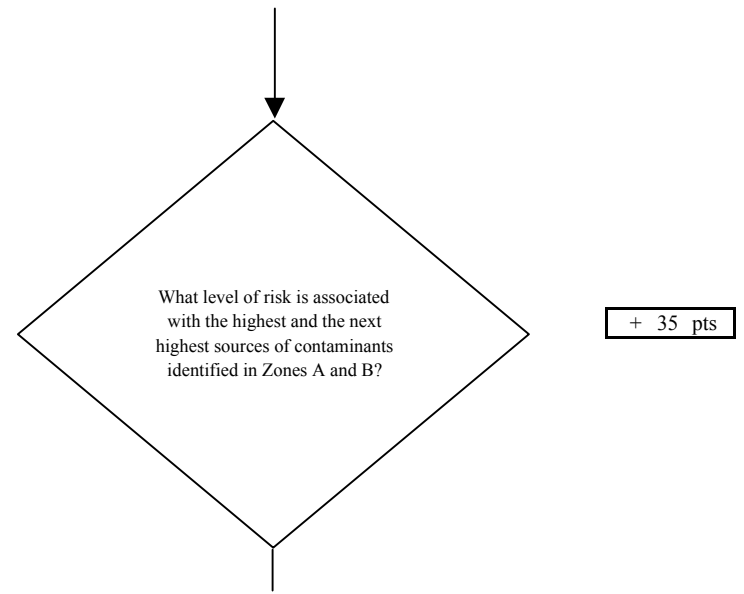
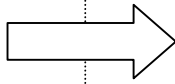
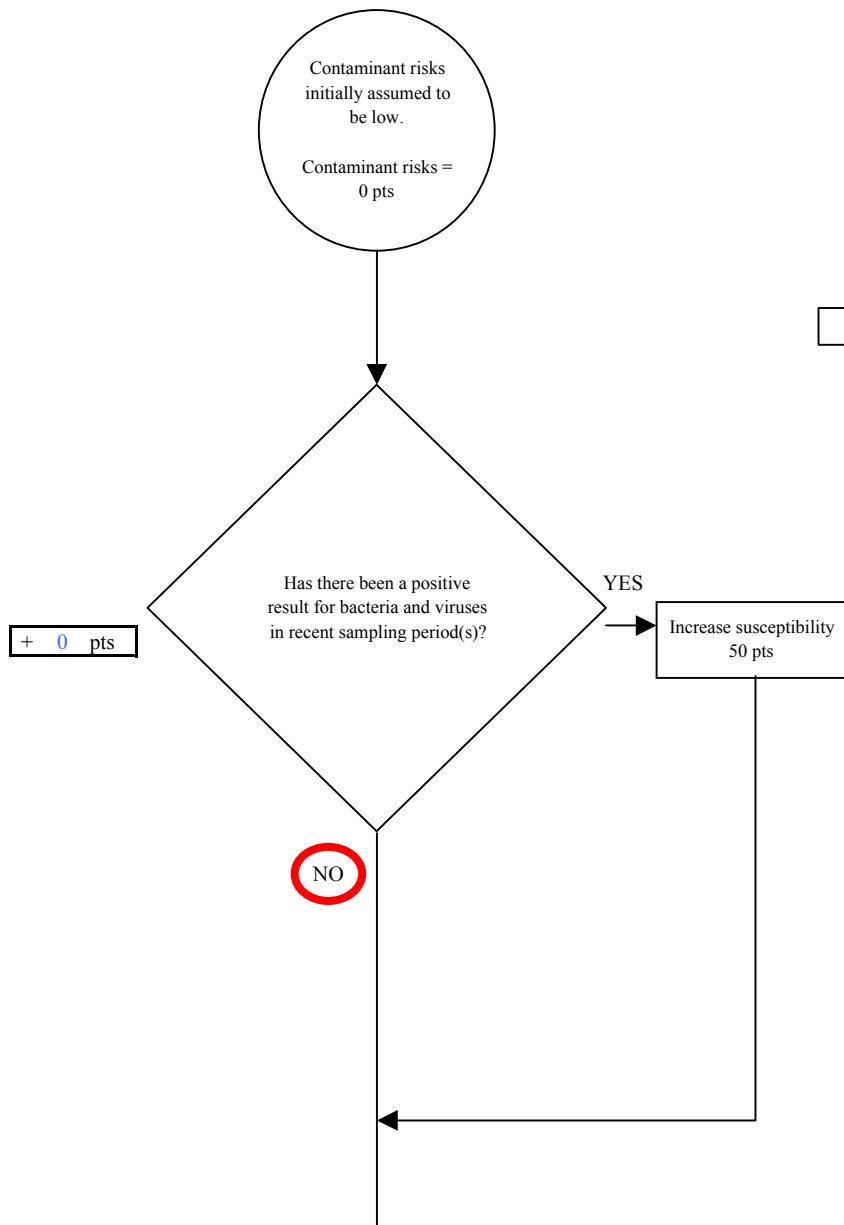


Chart 3. Contaminant risks for *Westwood Subdivision - Bacteria & Viruses*



Risk Rankings for Contaminant Sources Identified in Zones A and B			
	Zone A	Zone B	Total
Very High(s)	0	0	0
High(s)	1	0	1
Medium(s)	0	0	0
Low(s)	49	6	55

	LOW 10 pts	MEDIUM 20 pts	HIGH 30 pts	VERY HIGH 40 pts
LOW	≥ 10 sources + 10 pts	≥ 10 sources + 5 pts	≥ 20 sources + 5 pts	----
MEDIUM	----	≥ 2 sources + 5 pts	≥ 5 sources + 5 pts	≥ 10 sources + 5 pts
HIGH	----	----	≥ 1 source + 10 pts	≥ 2 sources + 10 pts
VERY HIGH	----	----	----	≥ 1 source + 10 pts

Matrix Score 35

Note: Septic systems, sewerlines, and roads are each assigned a risk ranking for each individual contaminant source in the CSI. The VA, however, counts these contaminant sources as a group and assigns a calculated number of either "lows" or "mediums" based on the density.

Chart 3. Contaminant risks for Westwood Subdivision - Bacteria & Viruses

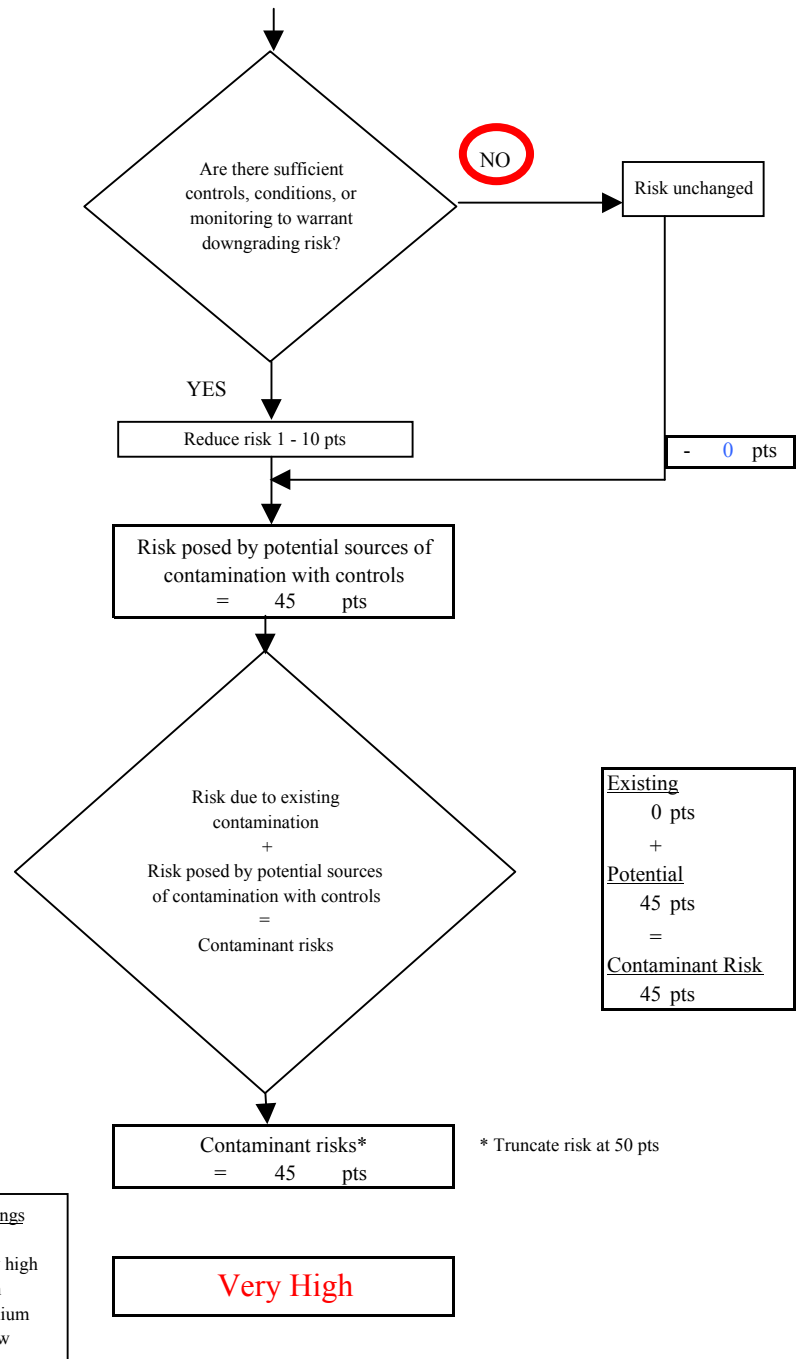
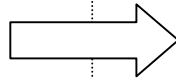
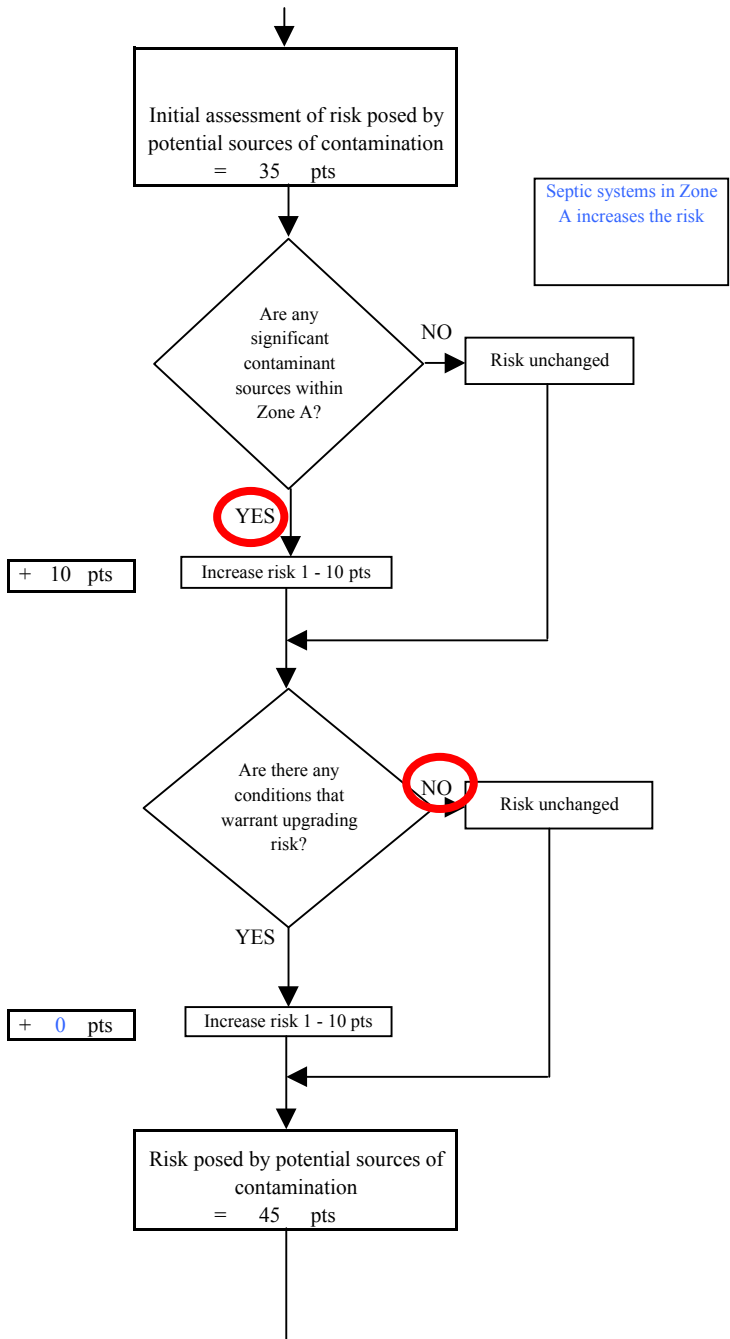


Chart 4. Vulnerability analysis for Westwood Subdivision - Bacteria & Viruses

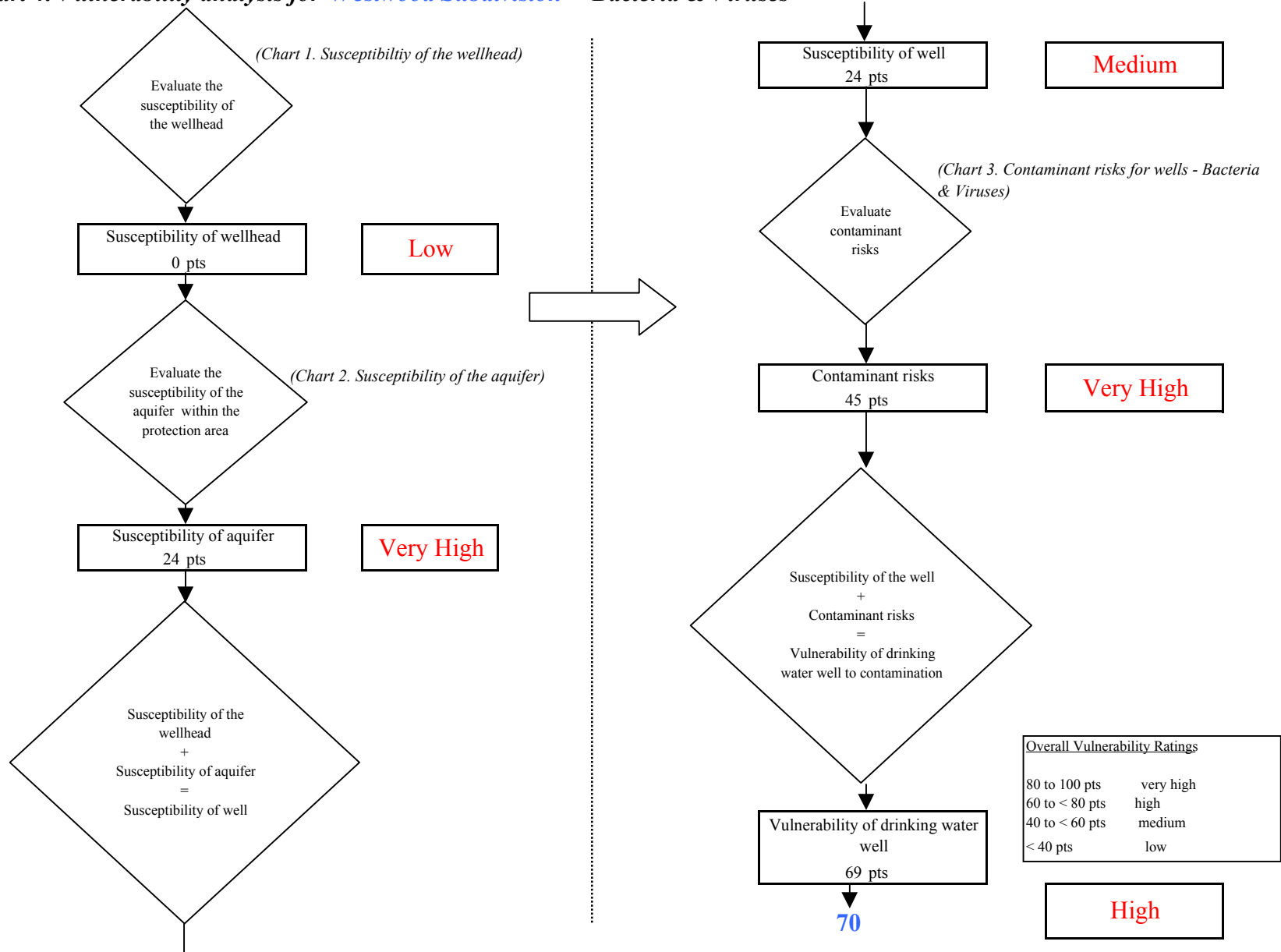


Chart 5. Contaminant risks for *Westwood Subdivision* - Nitrates and Nitrites

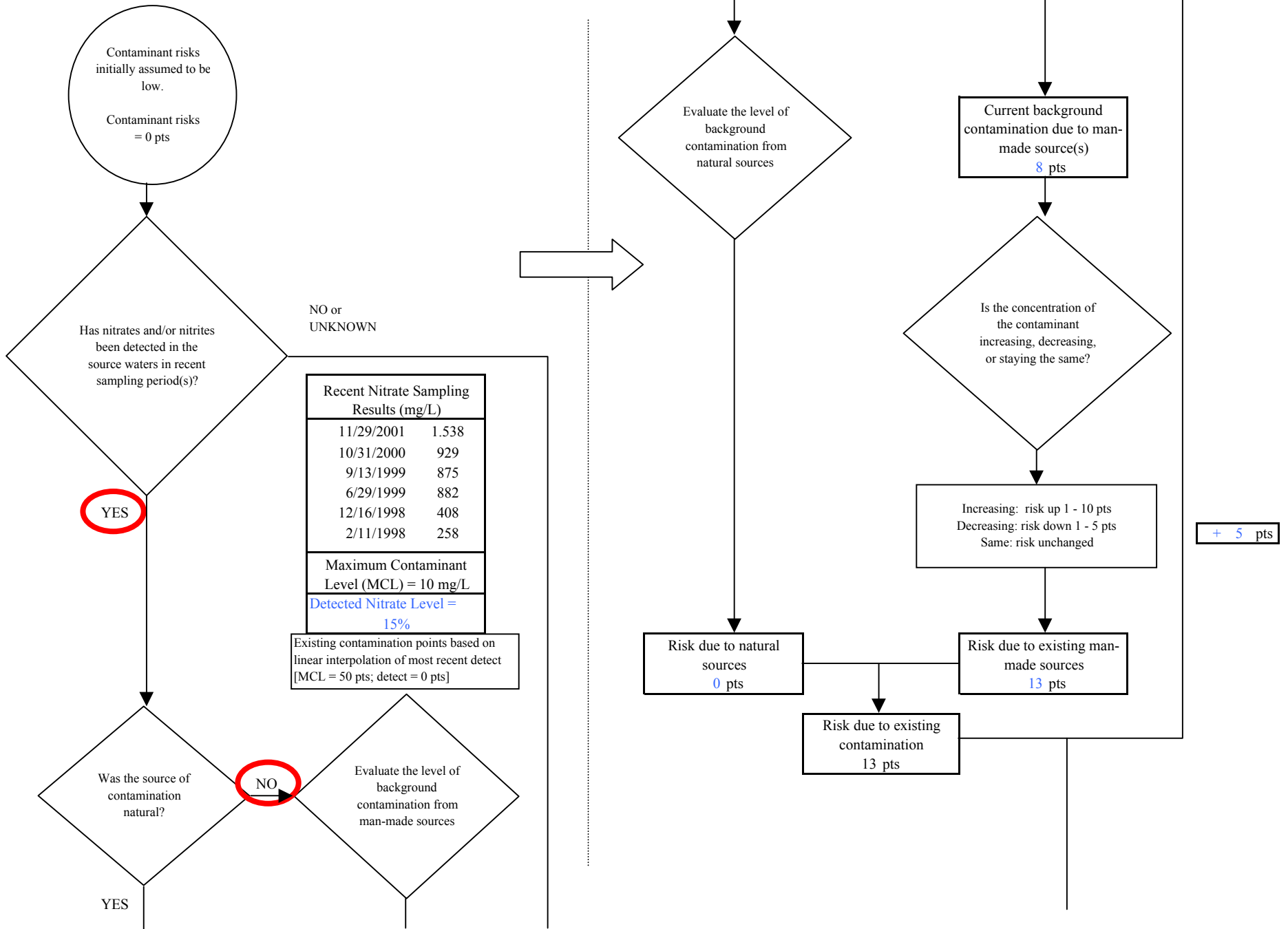


Chart 5. Contaminant risks for Westwood Subdivision - Nitrates and Nitrites

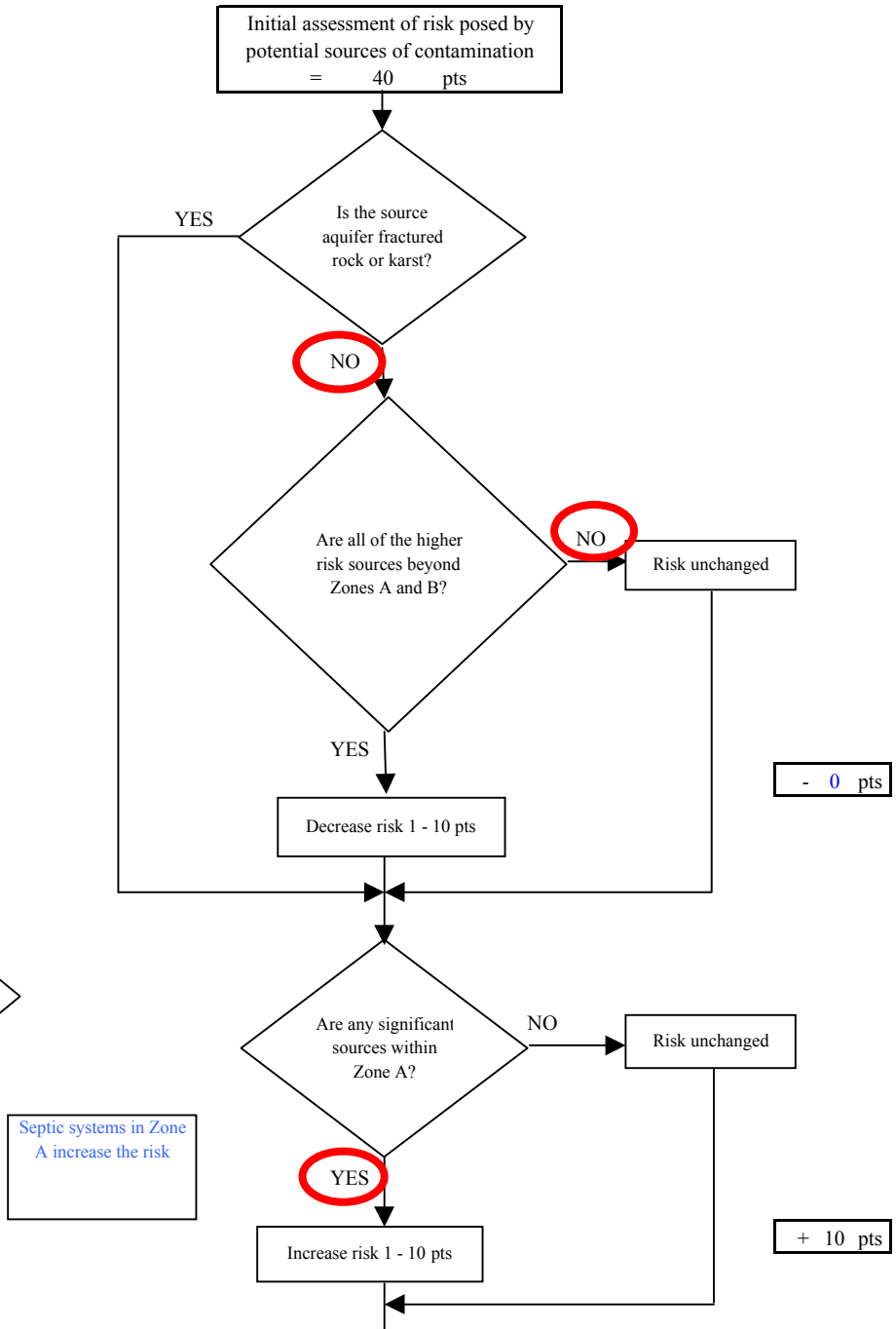
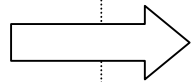
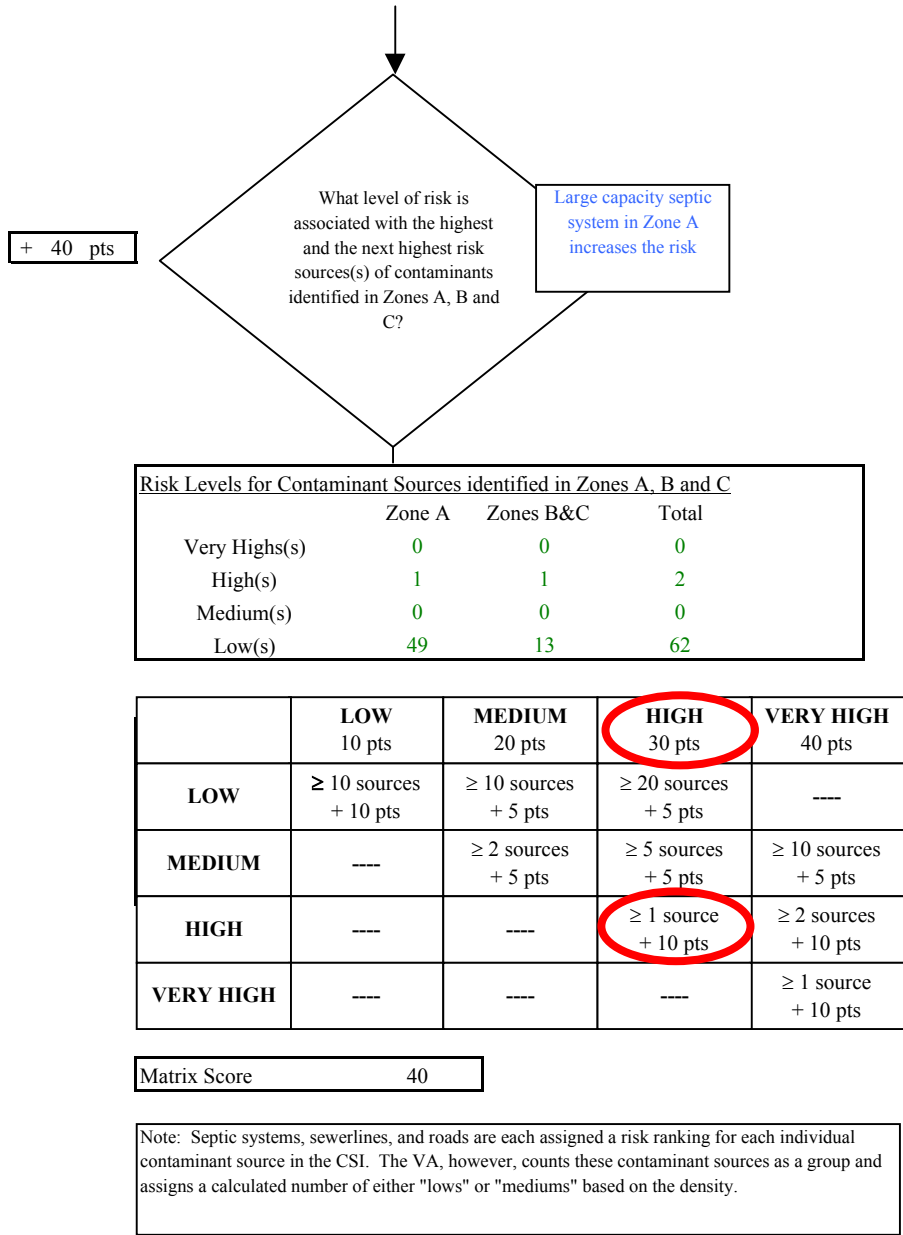


Chart 5. Contaminant risks for Westwood Subdivision - Nitrates and Nitrites

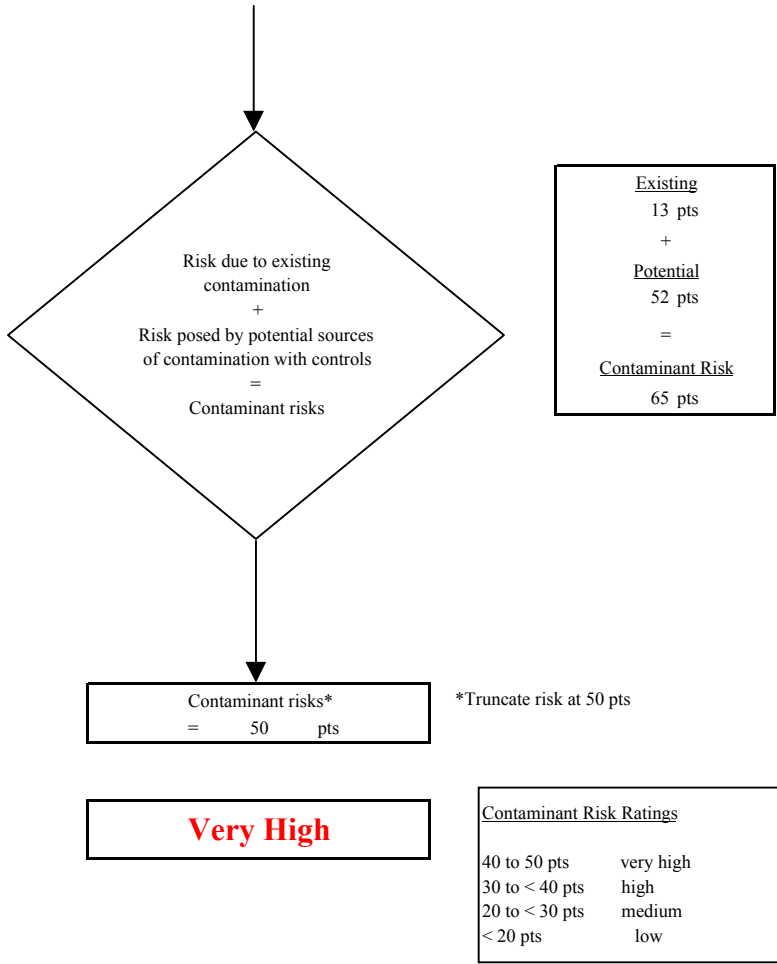
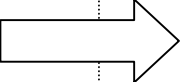
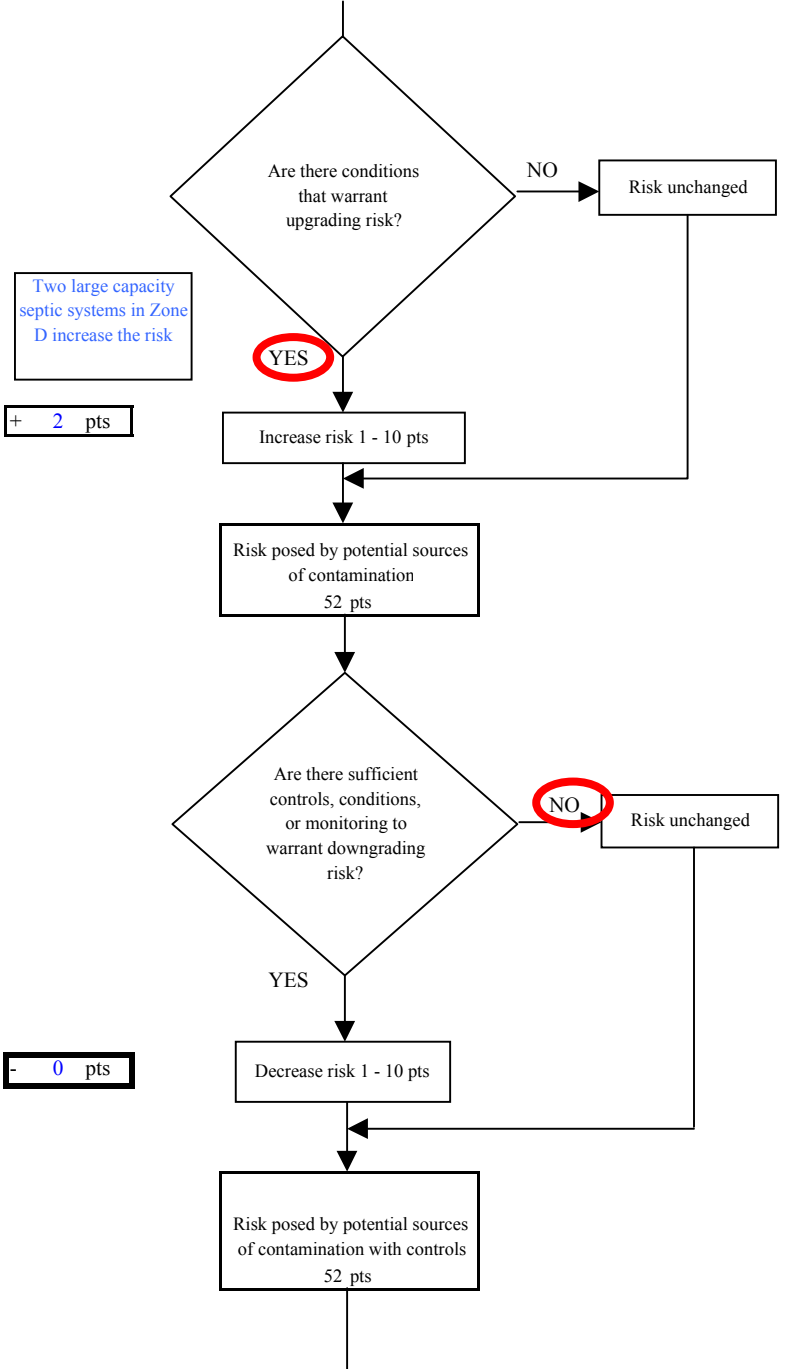


Chart 6. Vulnerability analysis for Westwood Subdivision - Nitrates and Nitrites

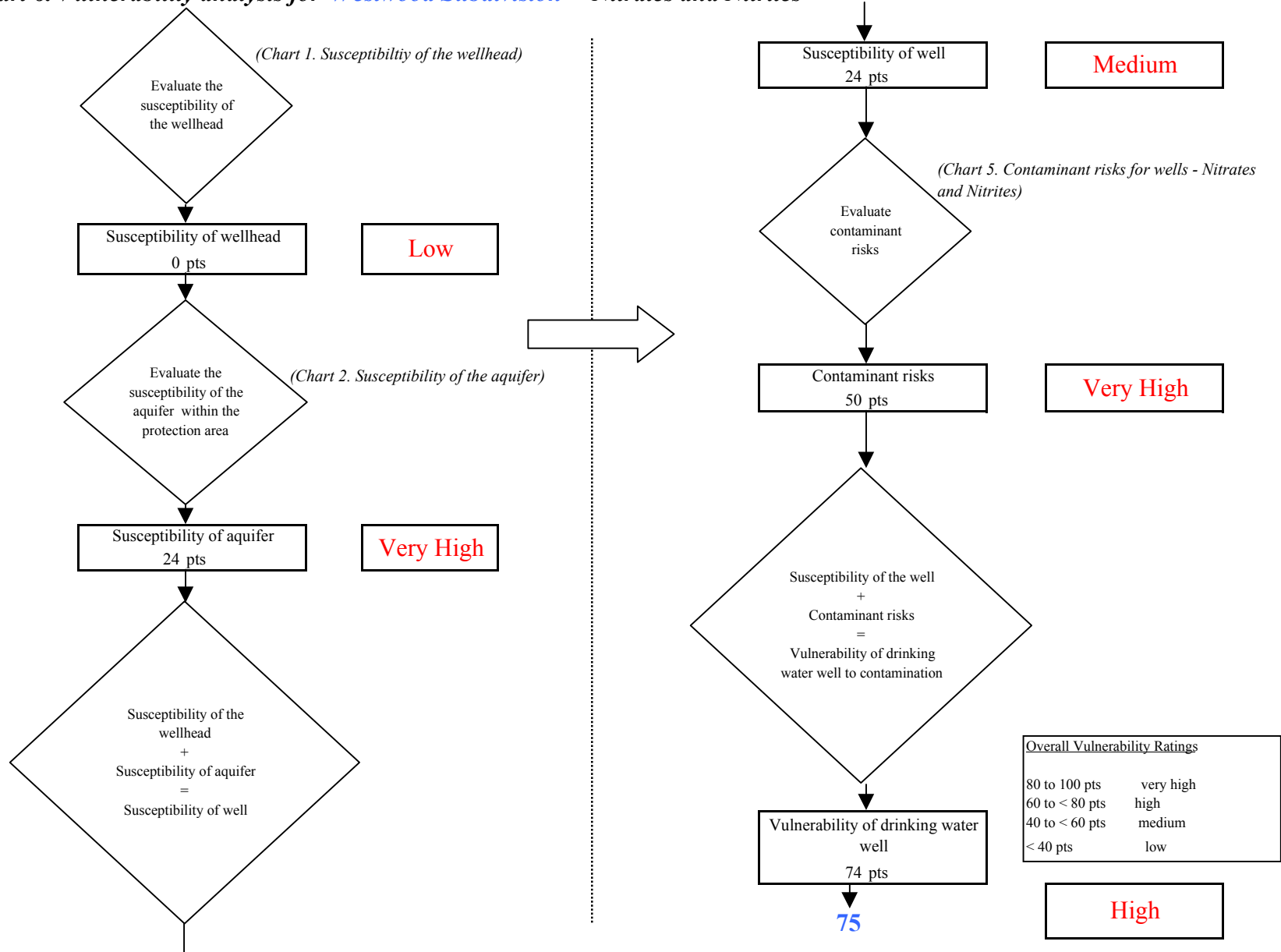


Chart 7. Contaminant risks for *Westwood Subdivision* - Volatile Organic Chemicals

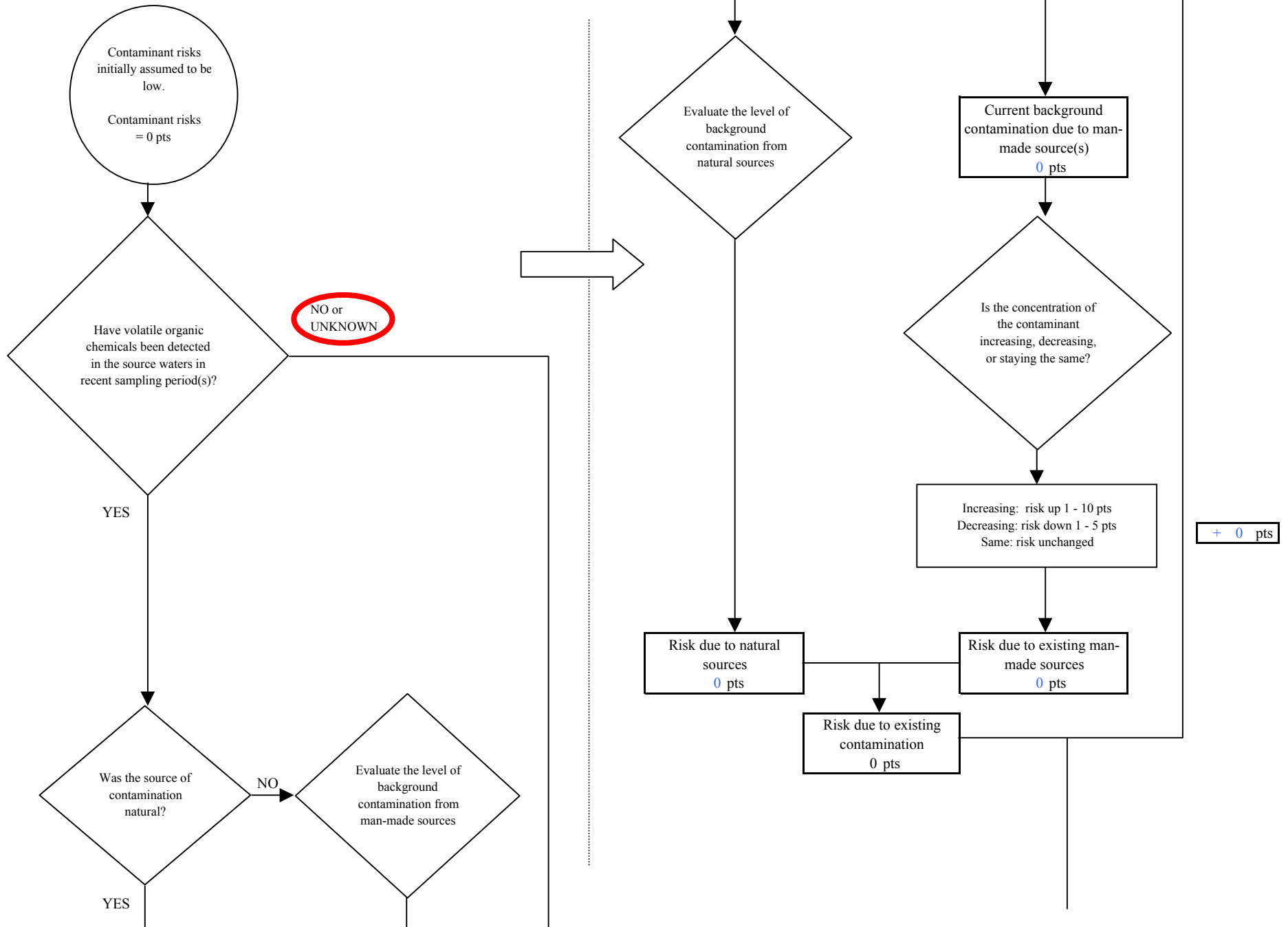
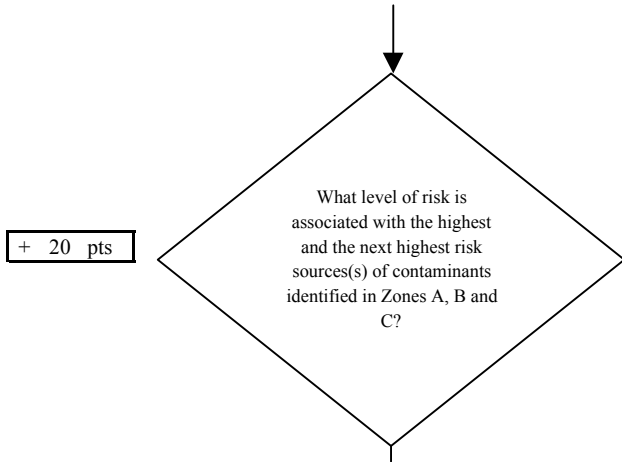


Chart 7. Contaminant risks for Westwood Subdivision - Volatile Organic Chemicals

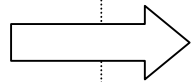


Risk Levels for Contaminant Sources identified in Zones A, B and C			
	Zone A	Zones B&C	Total
Very Highs(s)	0	0	0
High(s)	0	0	0
Medium(s)	0	0	0
Low(s)	6	6	12

	LOW 10 pts	MEDIUM 20 pts	HIGH 30 pts	VERY HIGH 40 pts
LOW	≥ 10 sources + 10 pts	≥ 10 sources + 5 pts	≥ 20 sources + 5 pts	----
MEDIUM	----	≥ 2 sources + 5 pts	≥ 5 sources + 5 pts	≥ 10 sources + 5 pts
HIGH	----	----	≥ 1 source + 10 pts	≥ 2 sources + 10 pts
VERY HIGH	----	----	----	≥ 1 source + 10 pts

Matrix Score 20

Note: Septic systems, sewerlines, and roads are each assigned a risk ranking for each individual contaminant source in the CSI. The VA, however, counts these contaminant sources as a group and assigns a calculated number of either "lows" or "mediums" based on the density.



Septic systems, residential areas, and roads in Zone A increase the risk

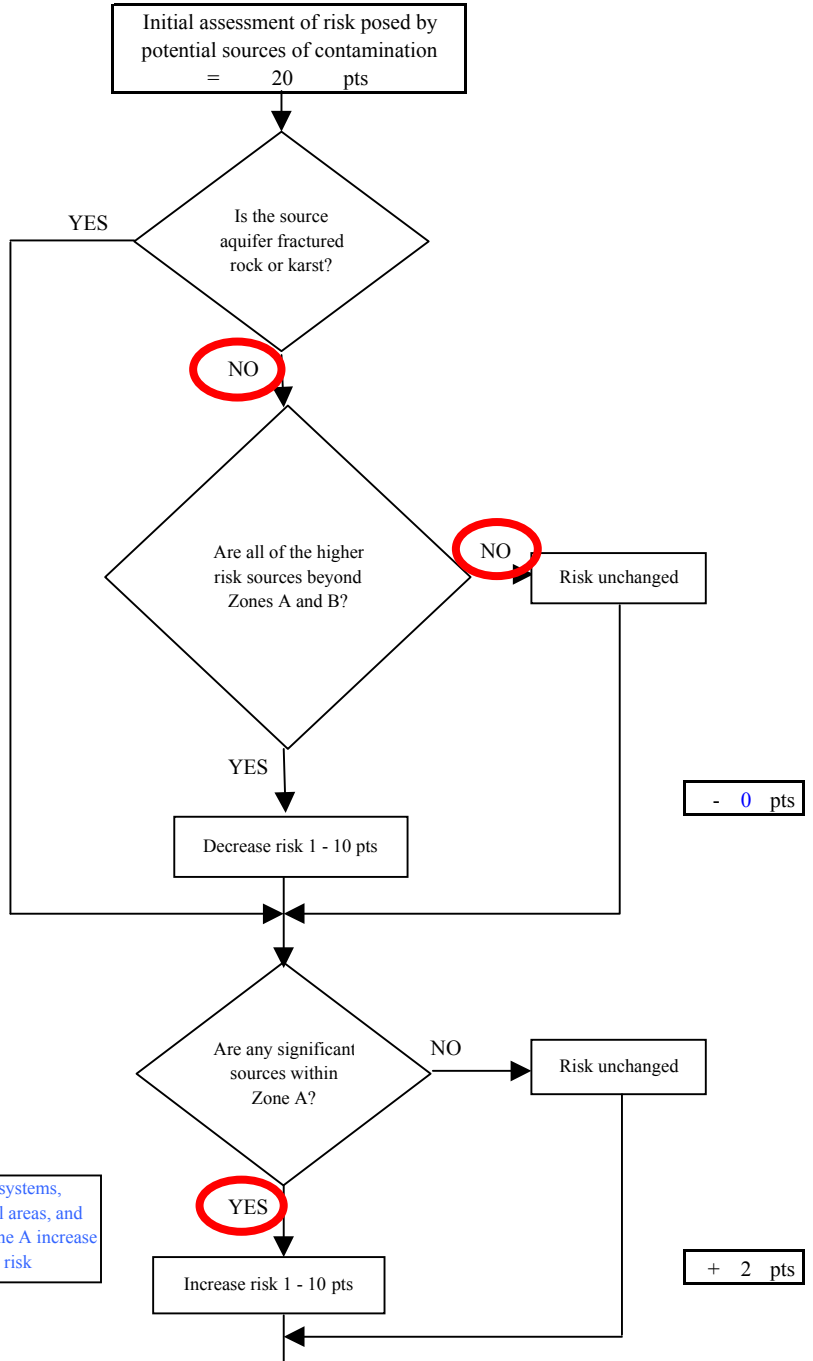


Chart 7. Contaminant risks for Westwood Subdivision - Volatile Organic Chemicals

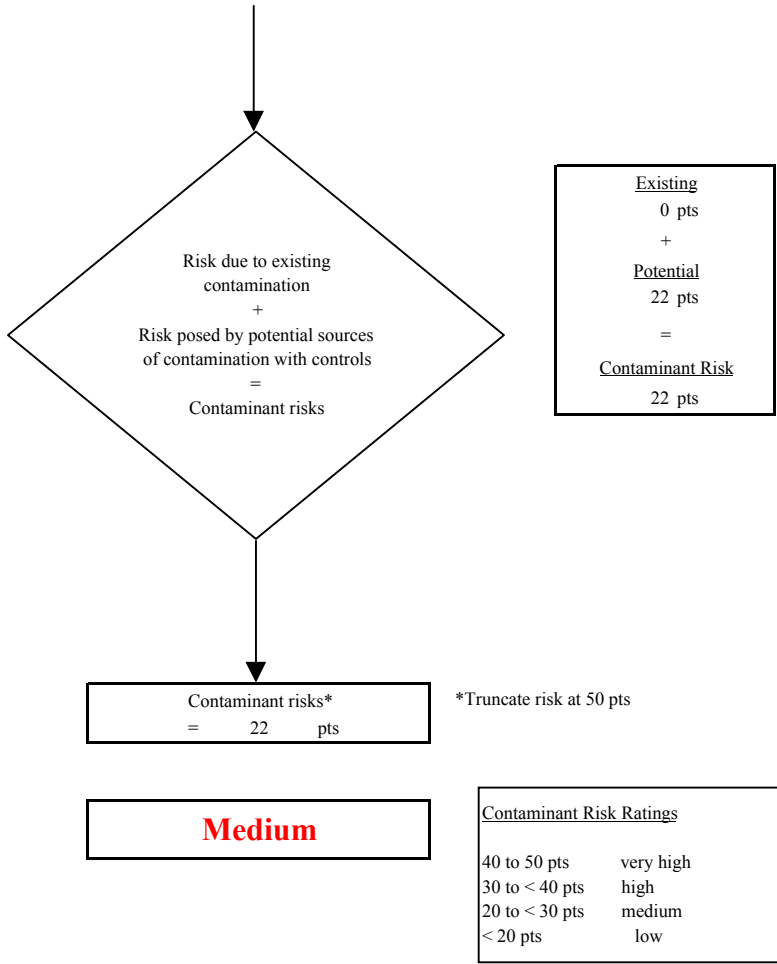
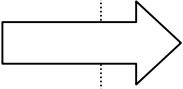
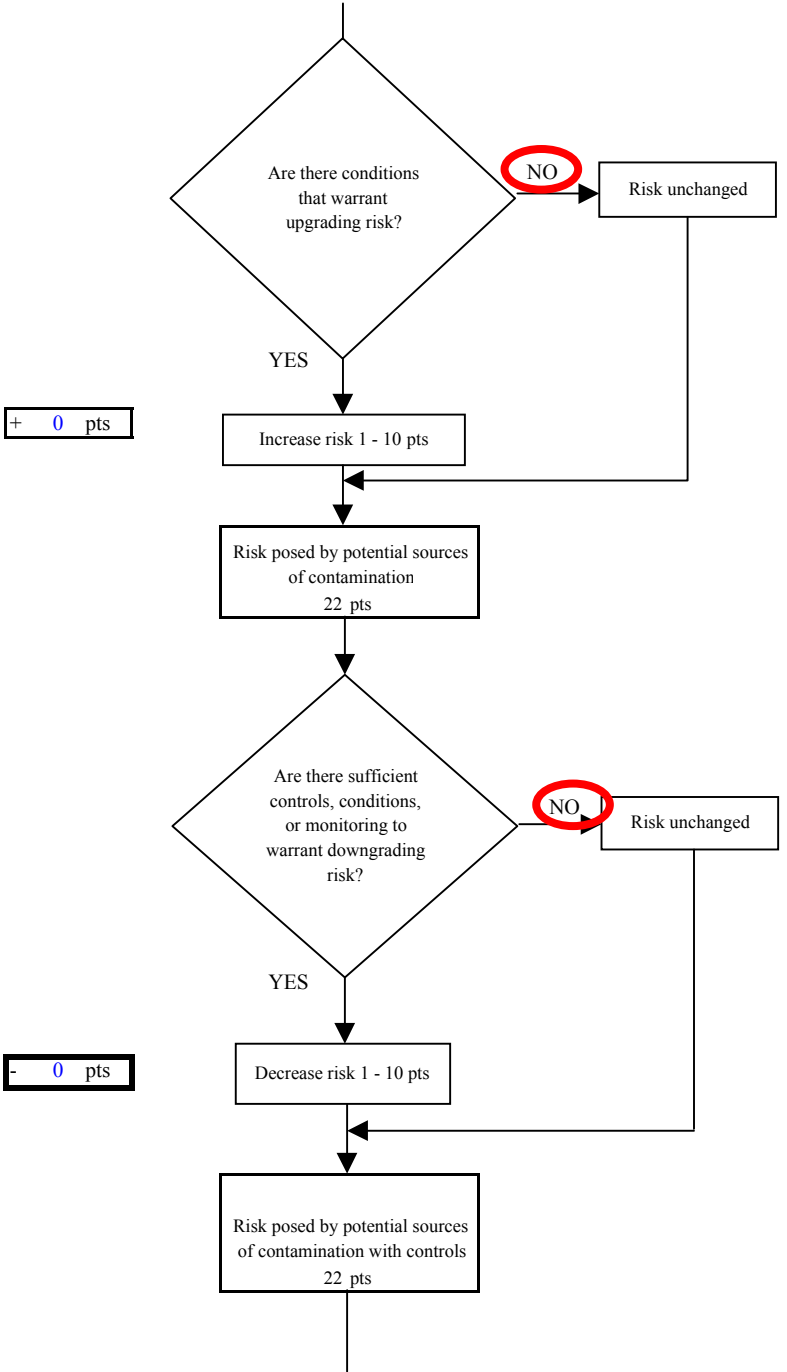


Chart 8. Vulnerability analysis for Westwood Subdivision - Volatile Organic Chemicals

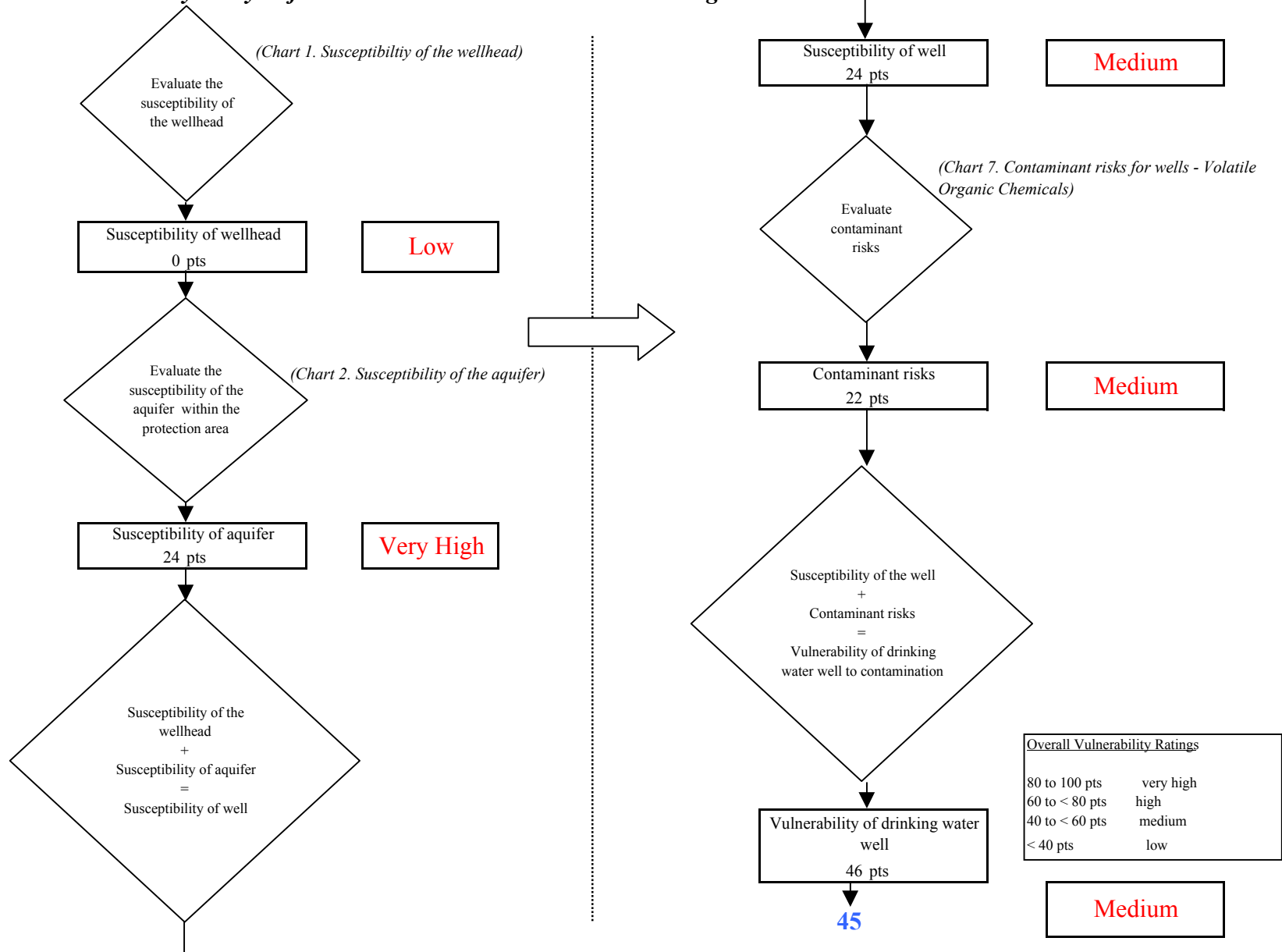


Chart 9. Contaminant risks for *Westwood Subdivision* - Heavy Metals, Cyanide and Other Inorganic Chemicals

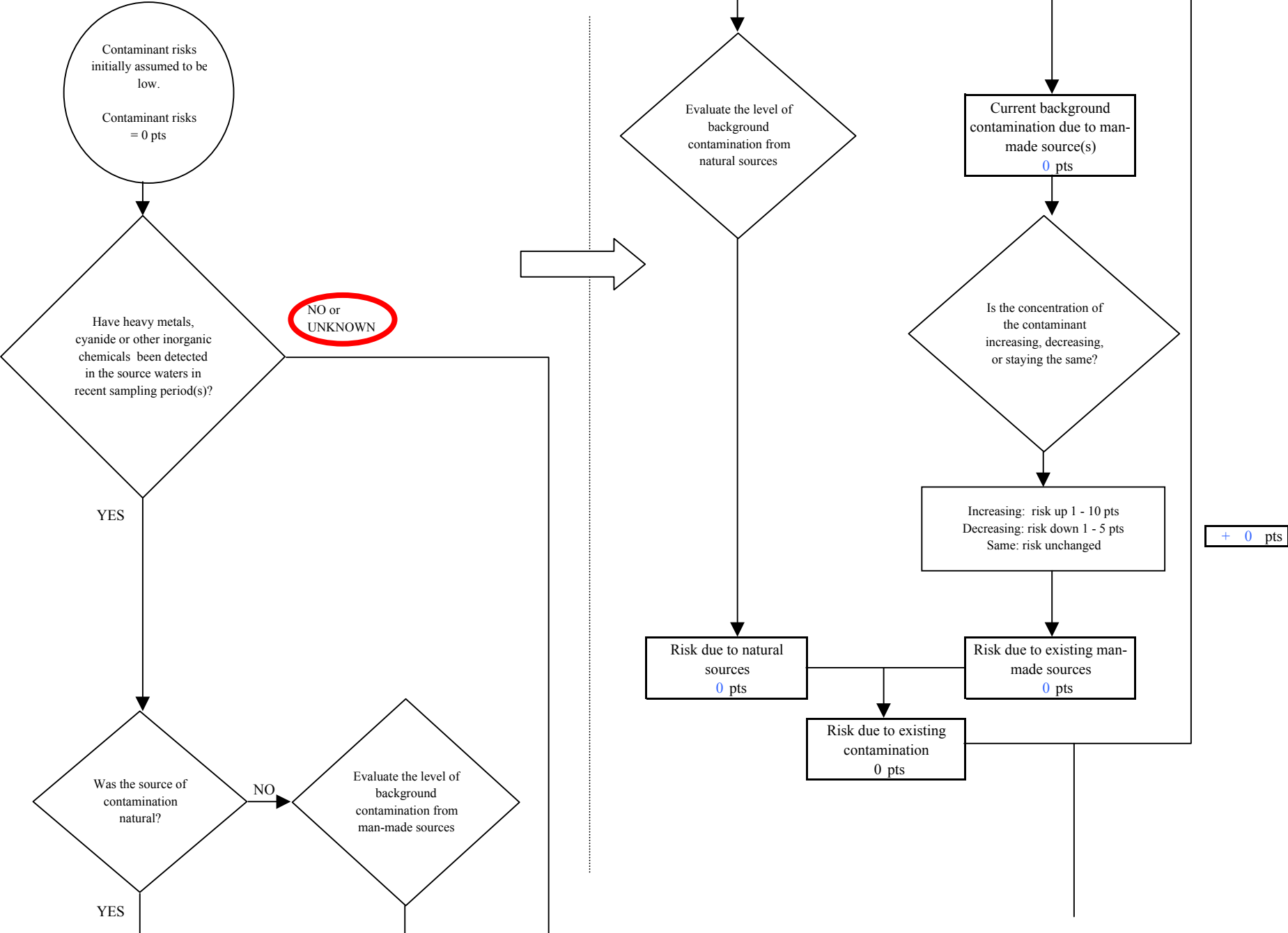
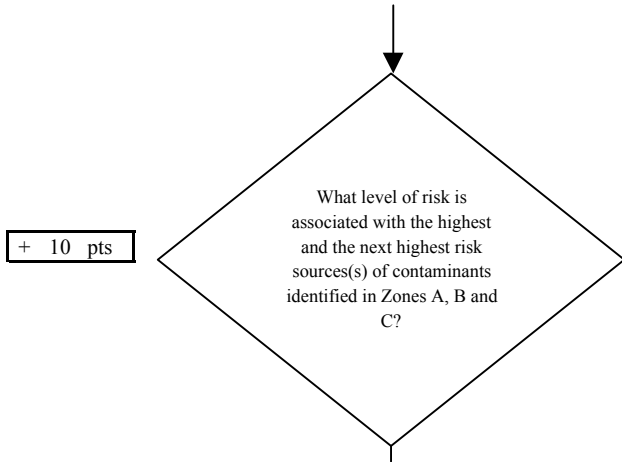


Chart 9. Contaminant risks for Westwood Subdivision - Heavy Metals, Cyanide and Other Inorganic Chemicals



Risk Levels for Contaminant Sources identified in Zones A, B and C			
	Zone A	Zones B&C	Total
Very Highs(s)	0	0	0
High(s)	0	0	0
Medium(s)	0	0	0
Low(s)	4	4	8

	LOW 10 pts	MEDIUM 20 pts	HIGH 30 pts	VERY HIGH 40 pts
LOW	≥ 10 sources + 10 pts	≥ 10 sources + 5 pts	≥ 20 sources + 5 pts	----
MEDIUM	----	≥ 2 sources + 5 pts	≥ 5 sources + 5 pts	≥ 10 sources + 5 pts
HIGH	----	----	≥ 1 source + 10 pts	≥ 2 sources + 10 pts
VERY HIGH	----	----	----	≥ 1 source + 10 pts

Matrix Score 10

Note: Septic systems, sewerlines, and roads are each assigned a risk ranking for each individual contaminant source in the CSI. The VA, however, counts these contaminant sources as a group and assigns a calculated number of either "lows" or "mediums" based on the density.

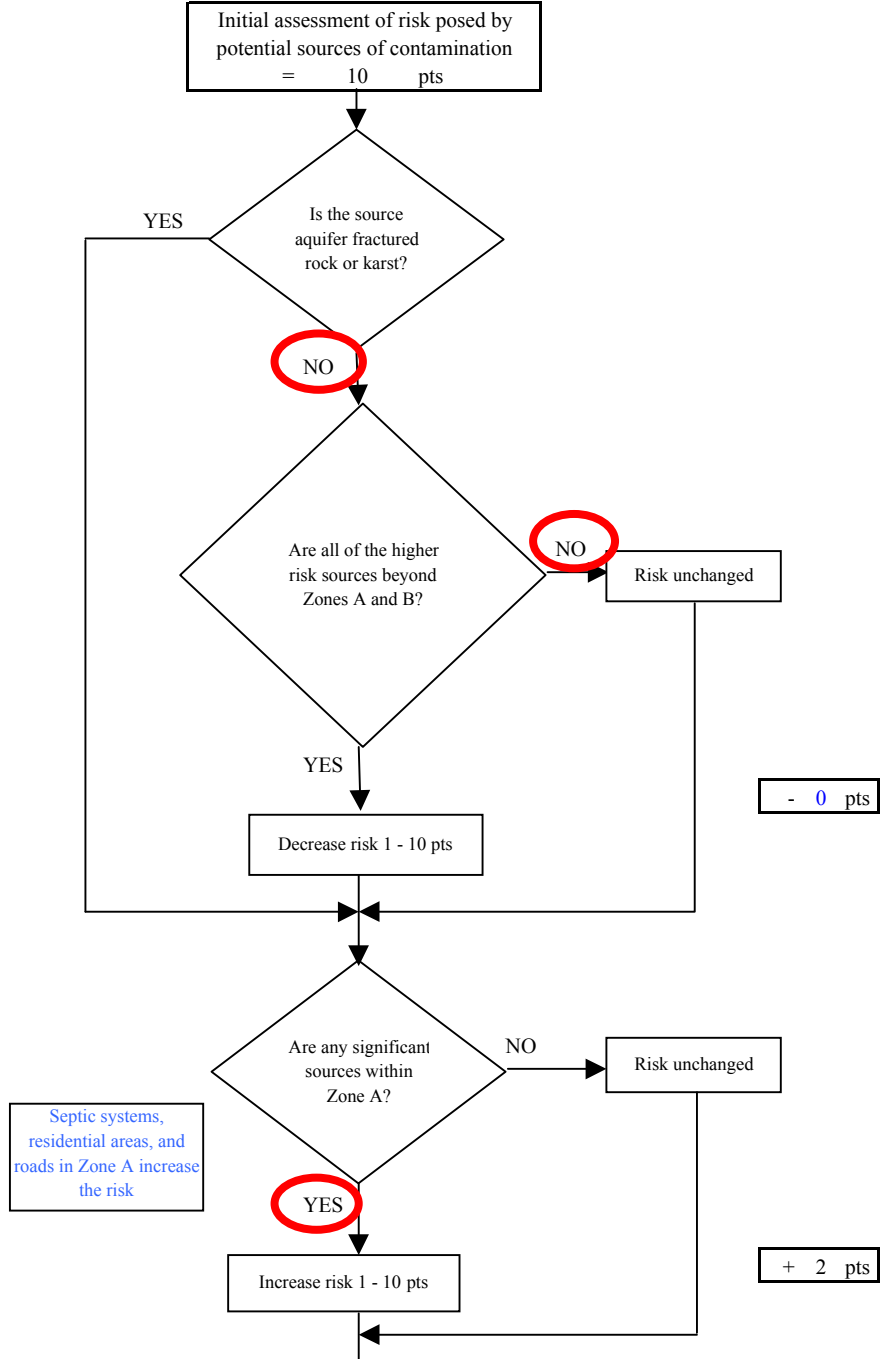
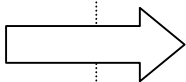


Chart 9. Contaminant risks for Westwood Subdivision - Heavy Metals, Cyanide and Other Inorganic Chemicals

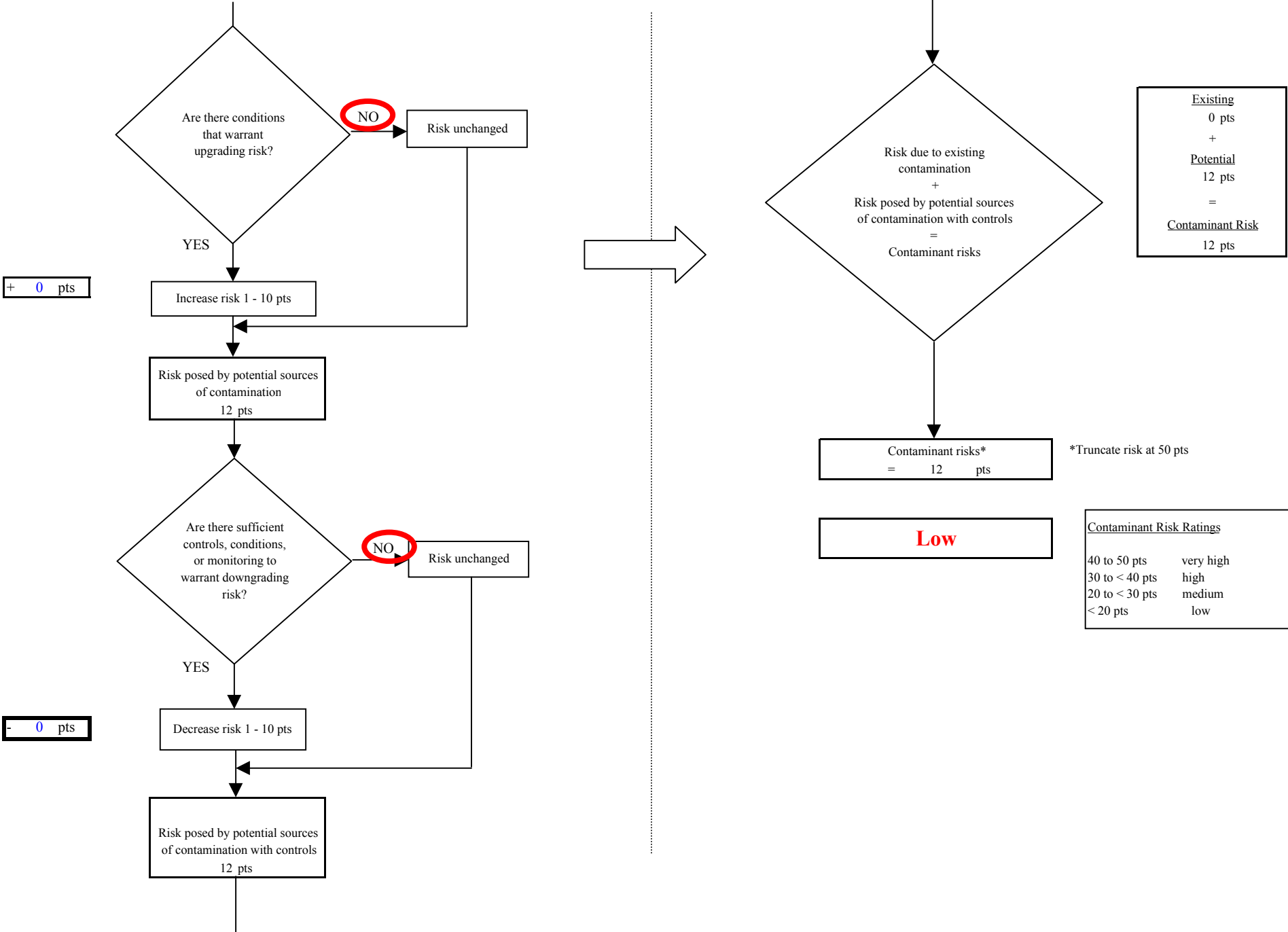


Chart 10. Vulnerability analysis for Westwood Subdivision - Heavy Metals, Cyanide and Other Inorganic Chemicals

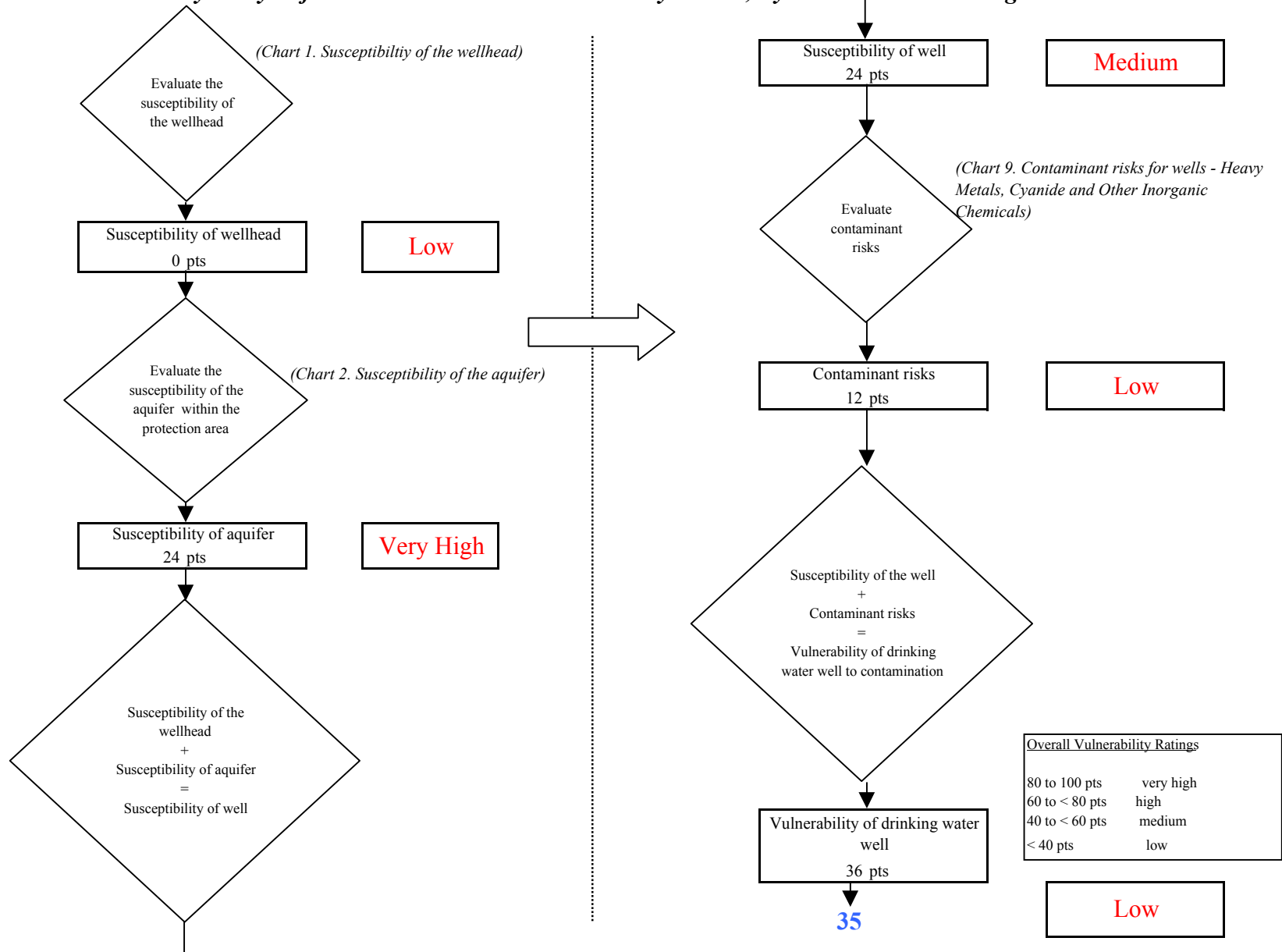


Chart 11. Contaminant risks for *Westwood Subdivision* - Synthetic Organic Chemicals

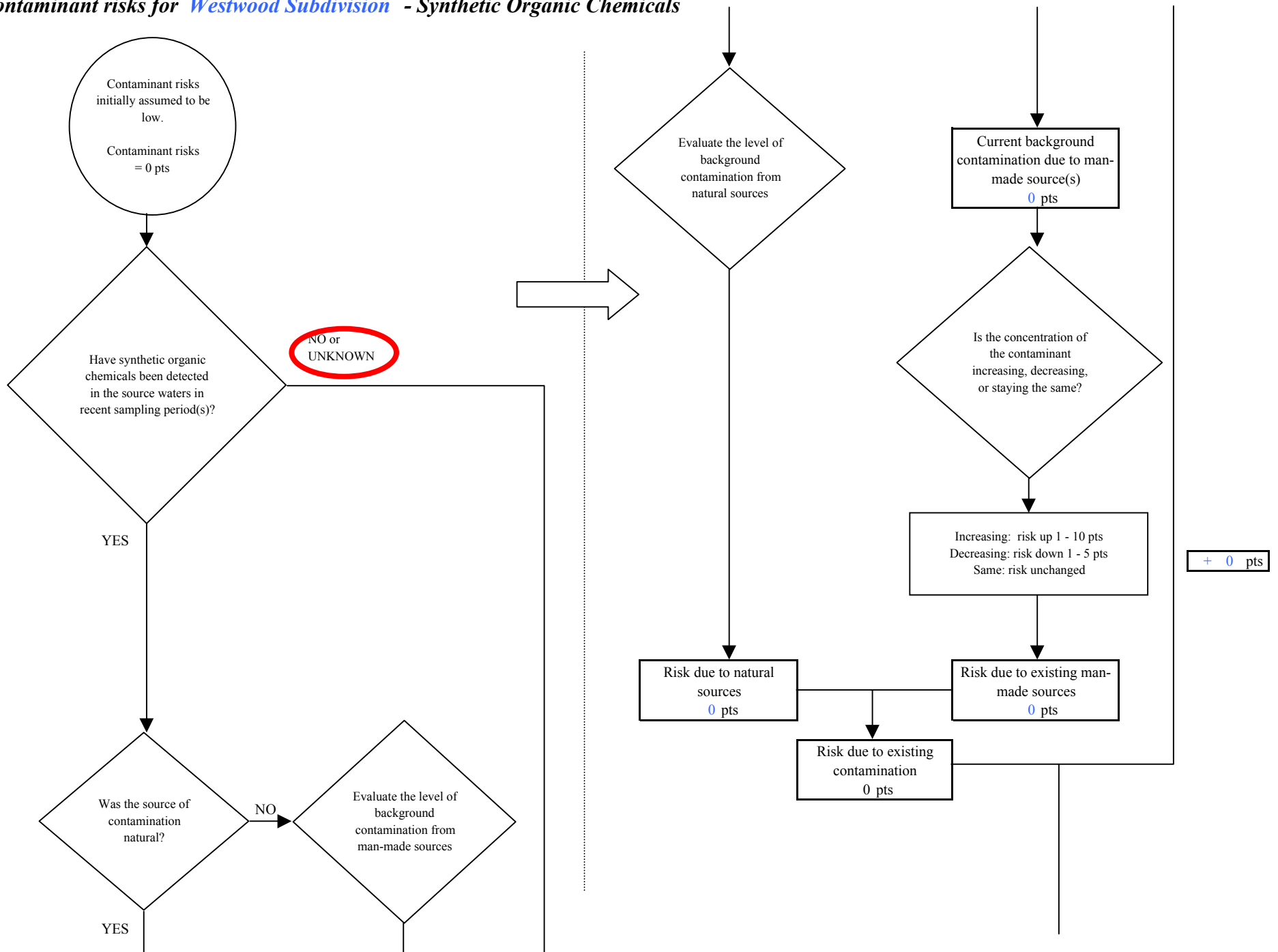


Chart 11. Contaminant risks for Westwood Subdivision - Synthetic Organic Chemicals

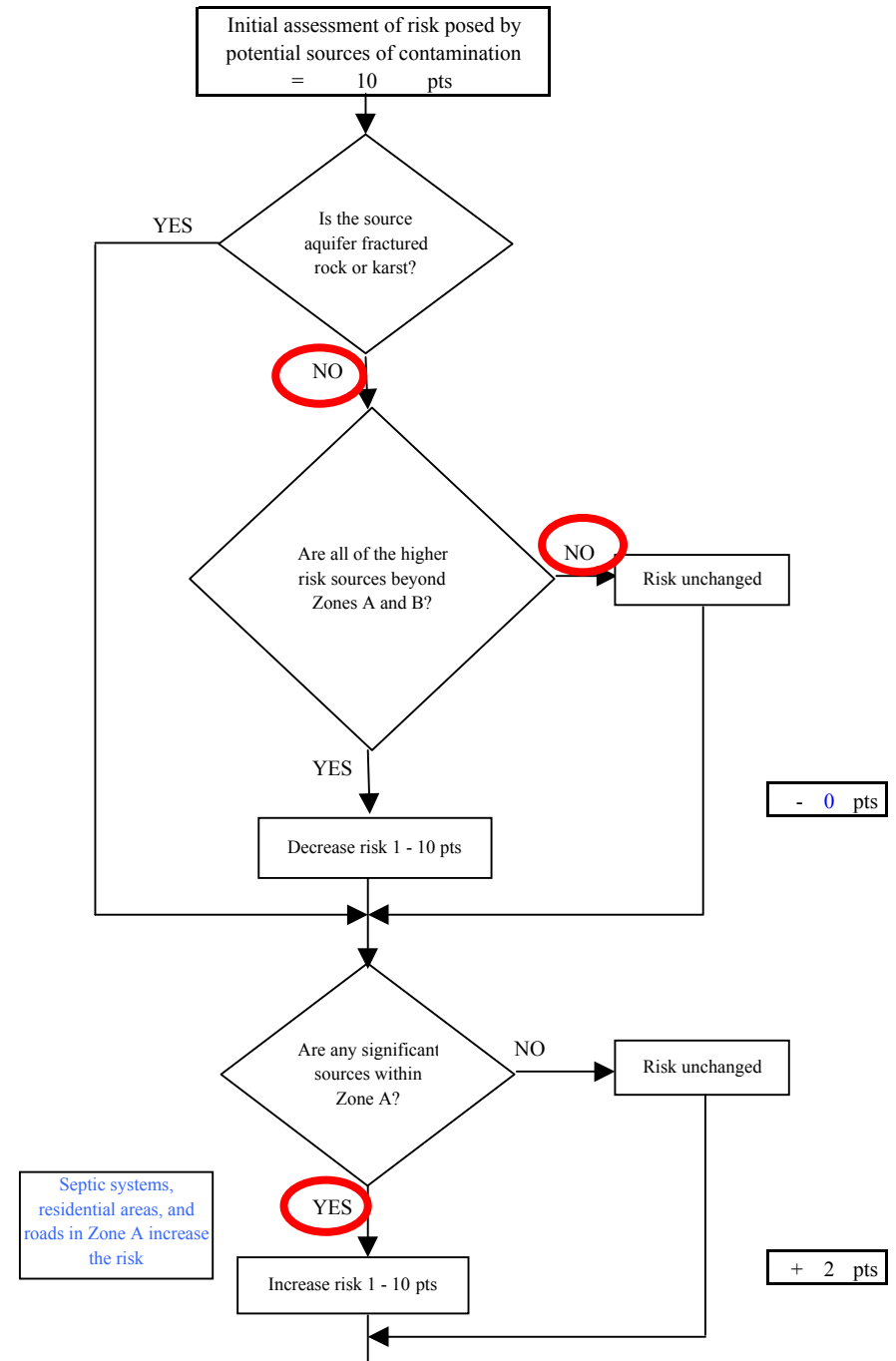
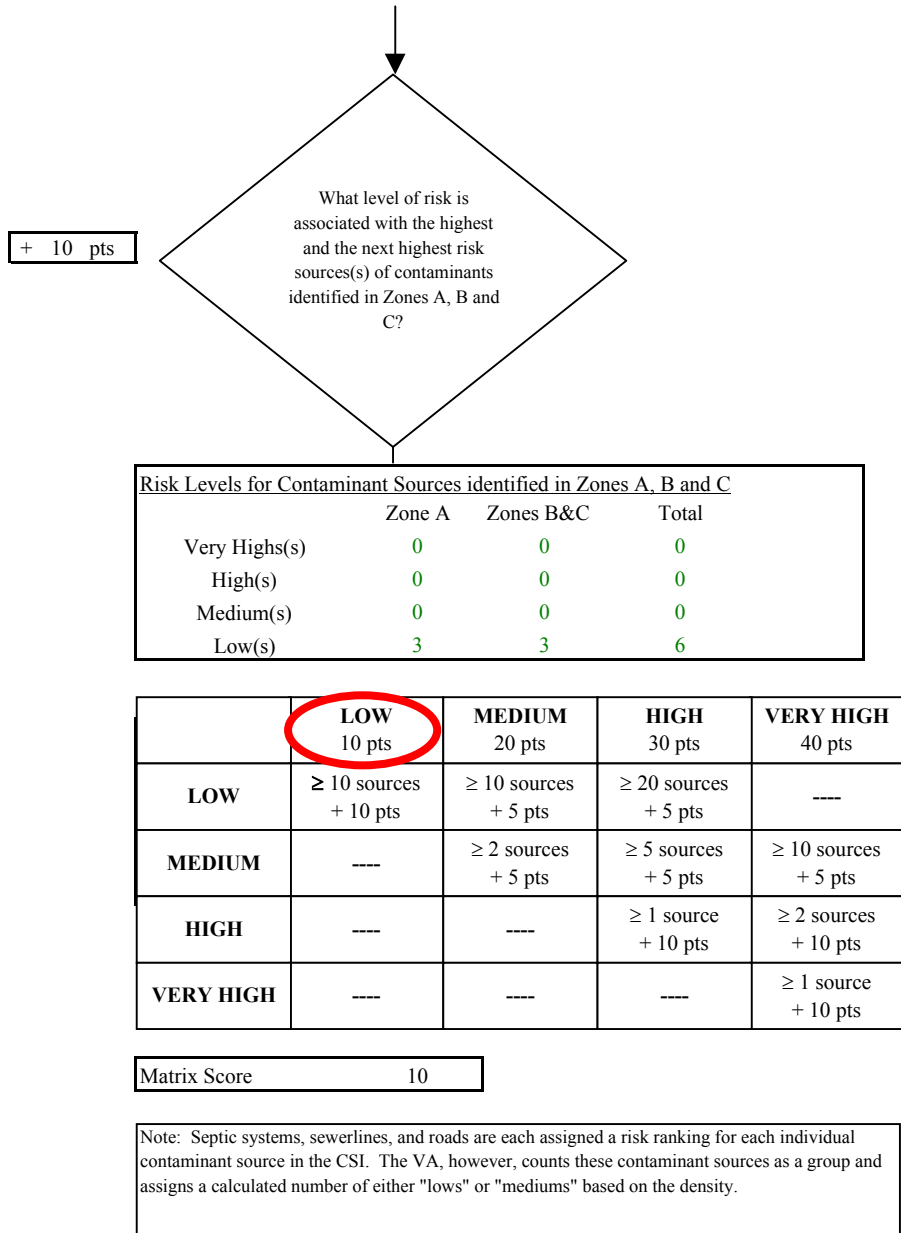


Chart 11. Contaminant risks for Westwood Subdivision - Synthetic Organic Chemicals

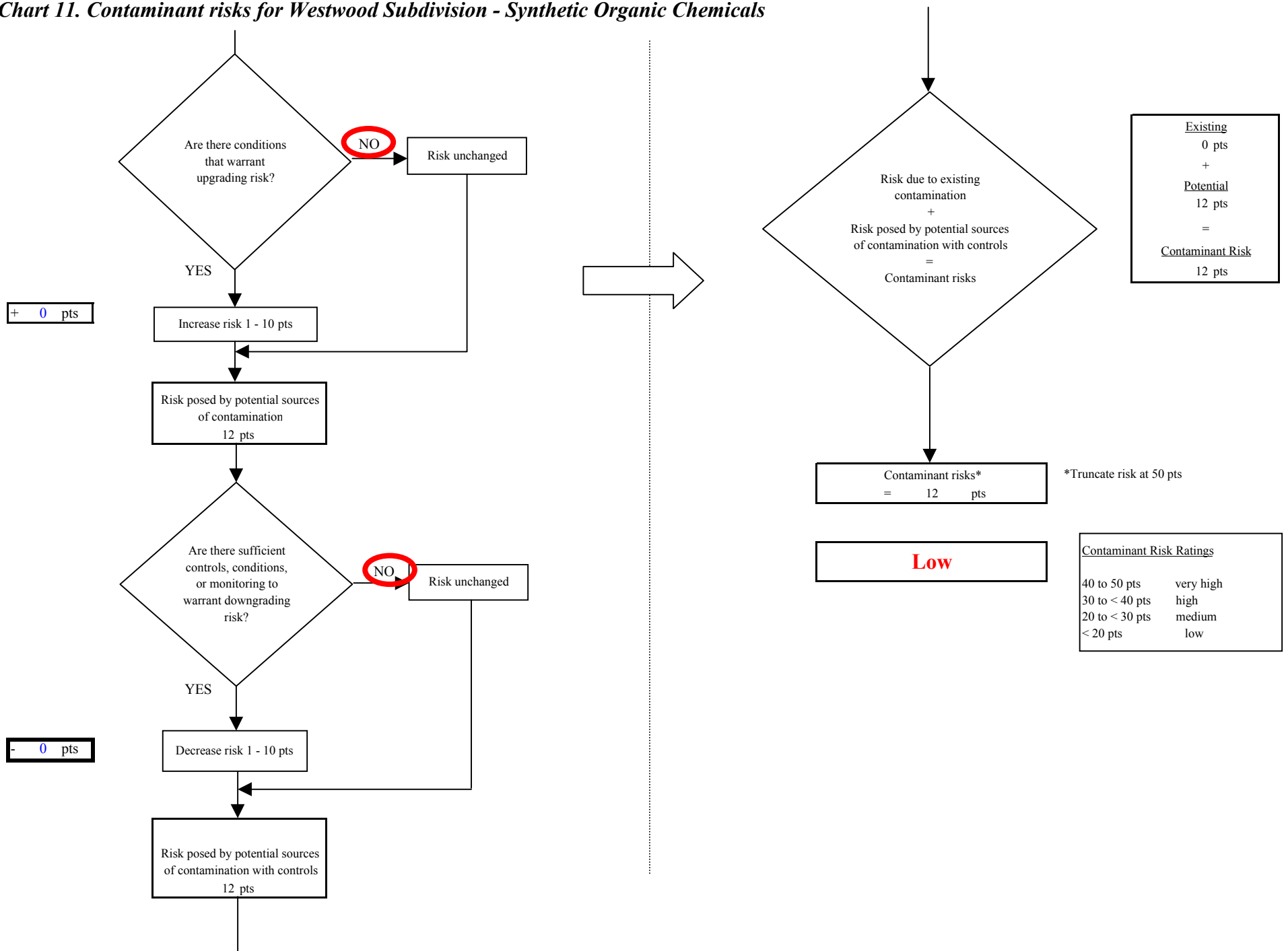


Chart 12. Vulnerability analysis for Westwood Subdivision - Synthetic Organic Chemicals

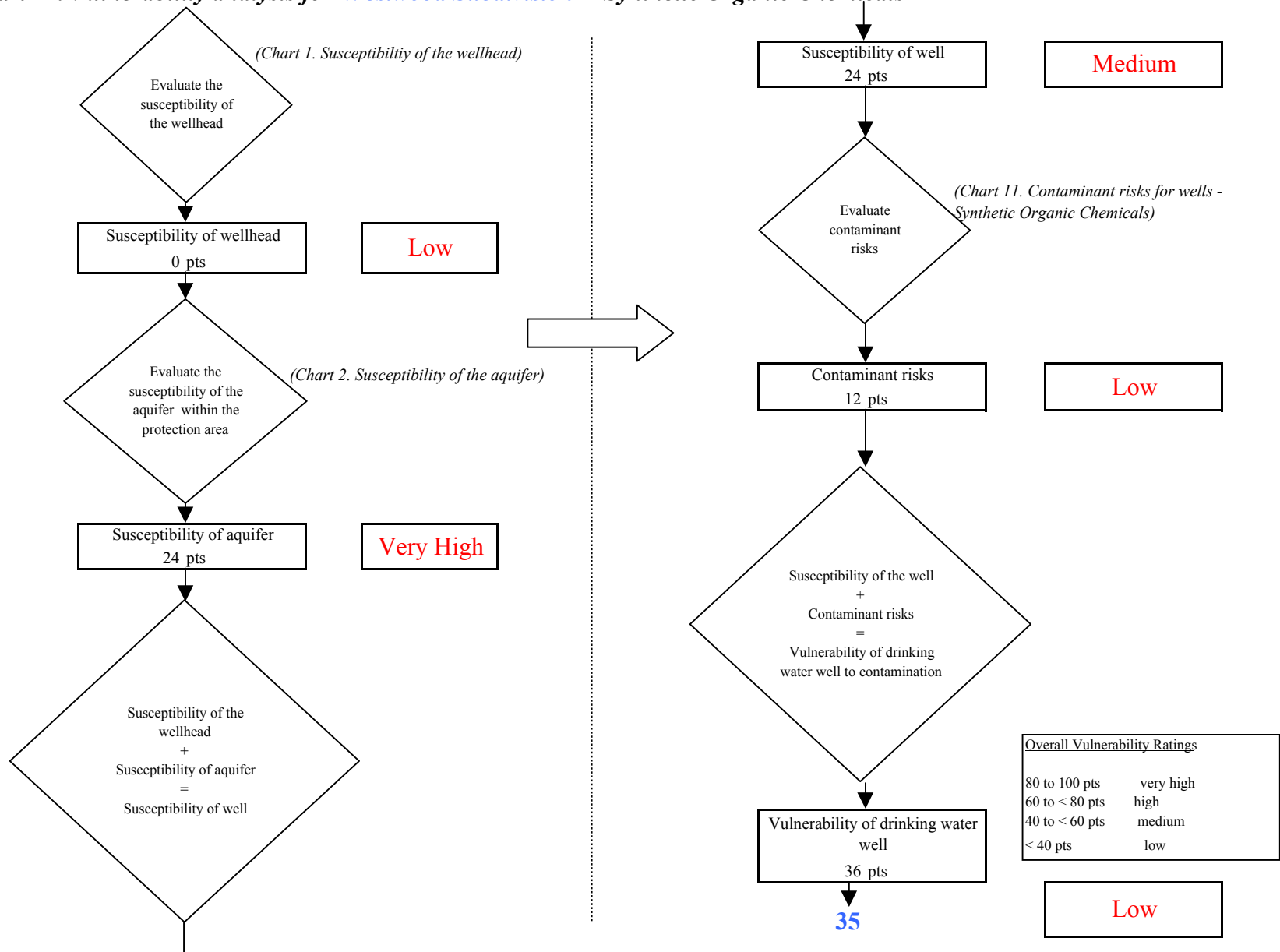


Chart 13. Contaminant risks for *Westwood Subdivision* - Other Organic Chemicals

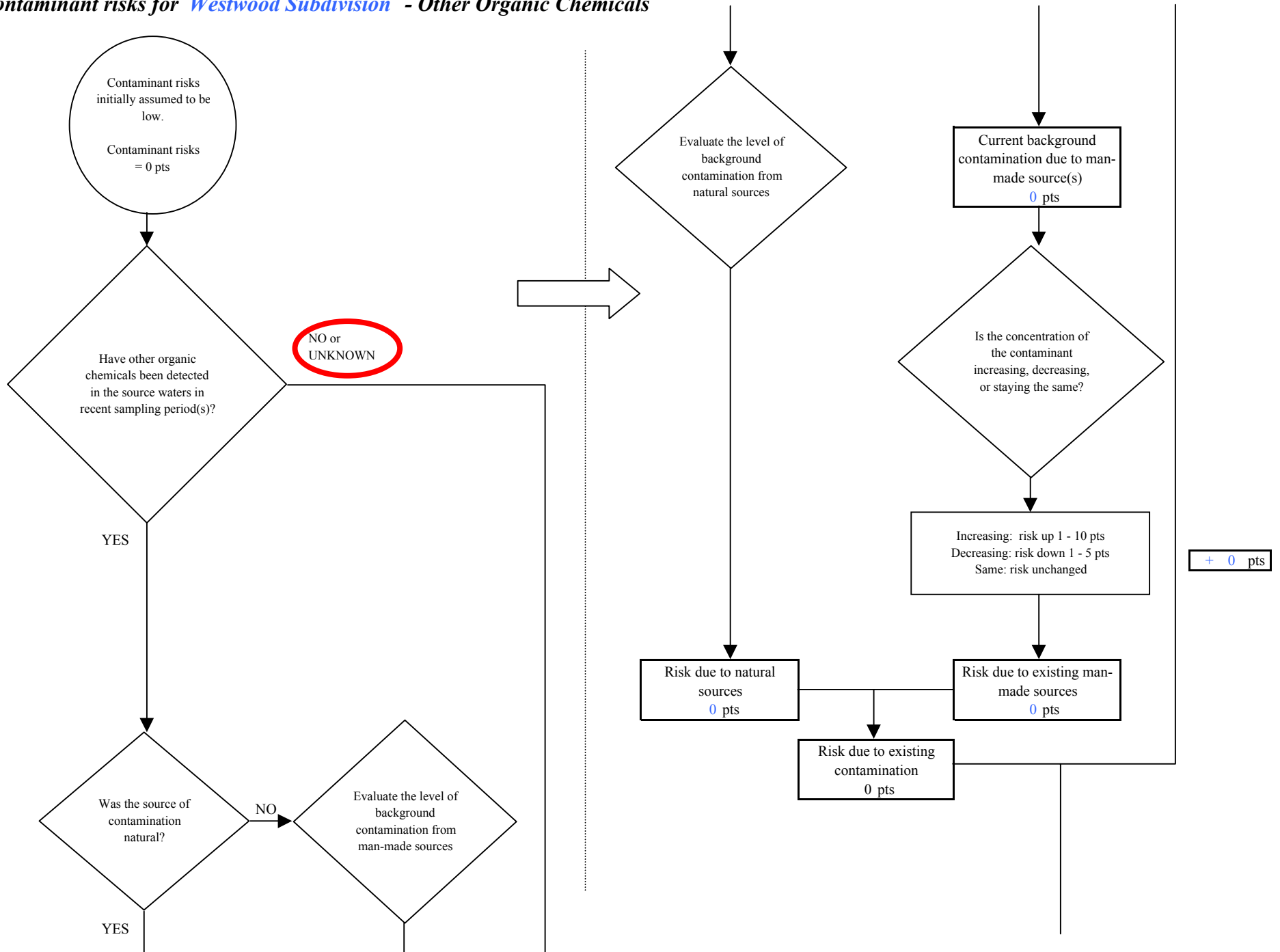


Chart 13. Contaminant risks for Westwood Subdivision - Other Organic Chemicals

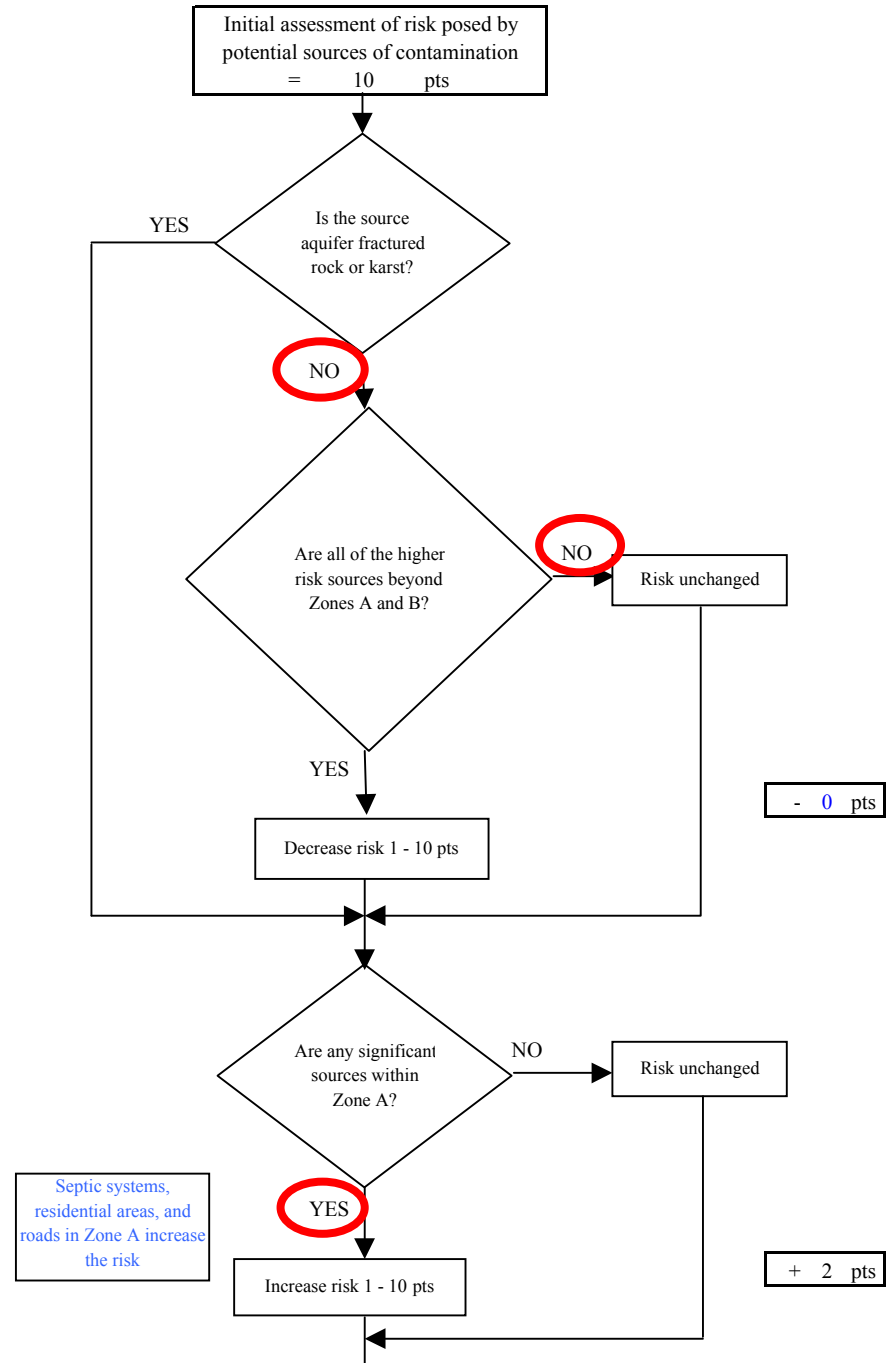
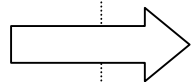
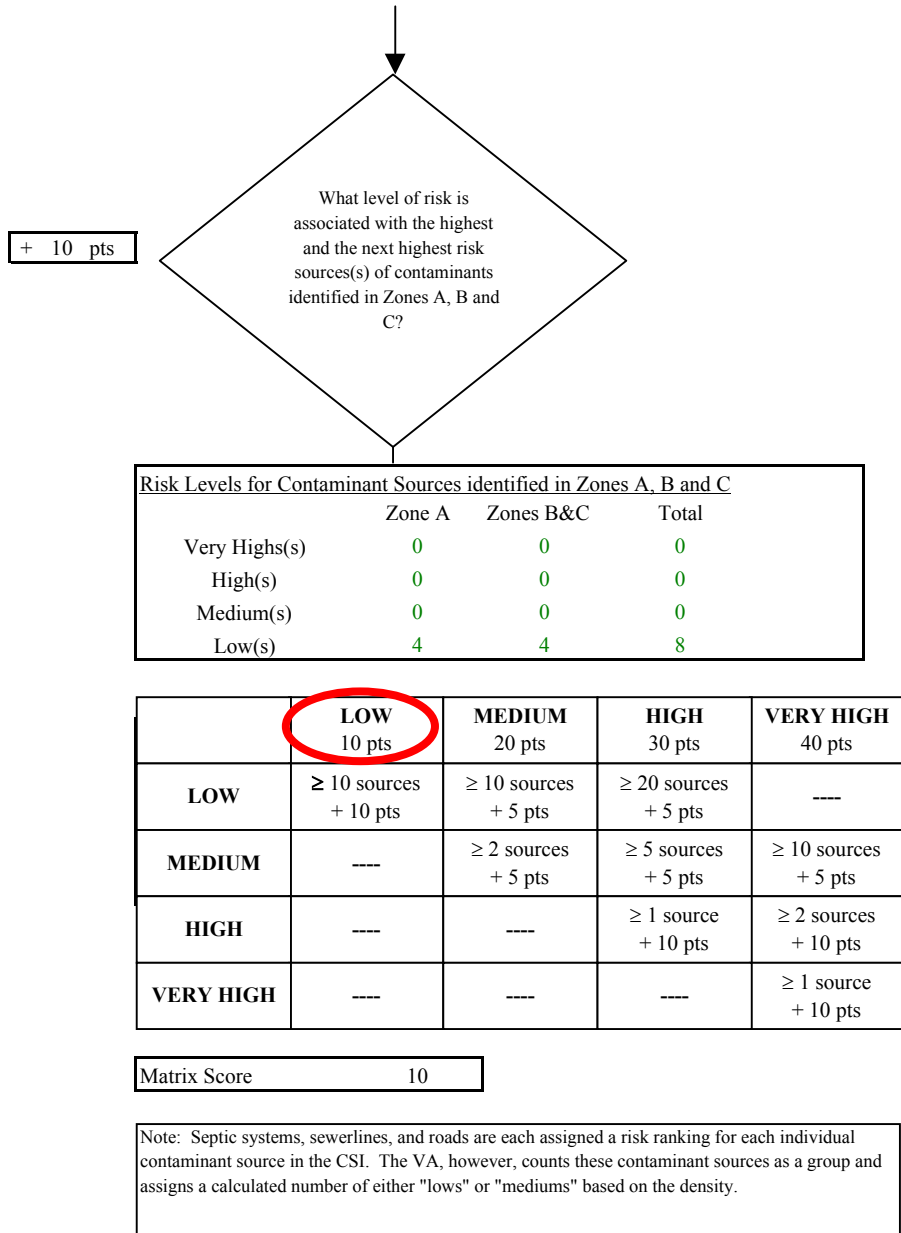


Chart 13. Contaminant risks for Westwood Subdivision - Other Organic Chemicals

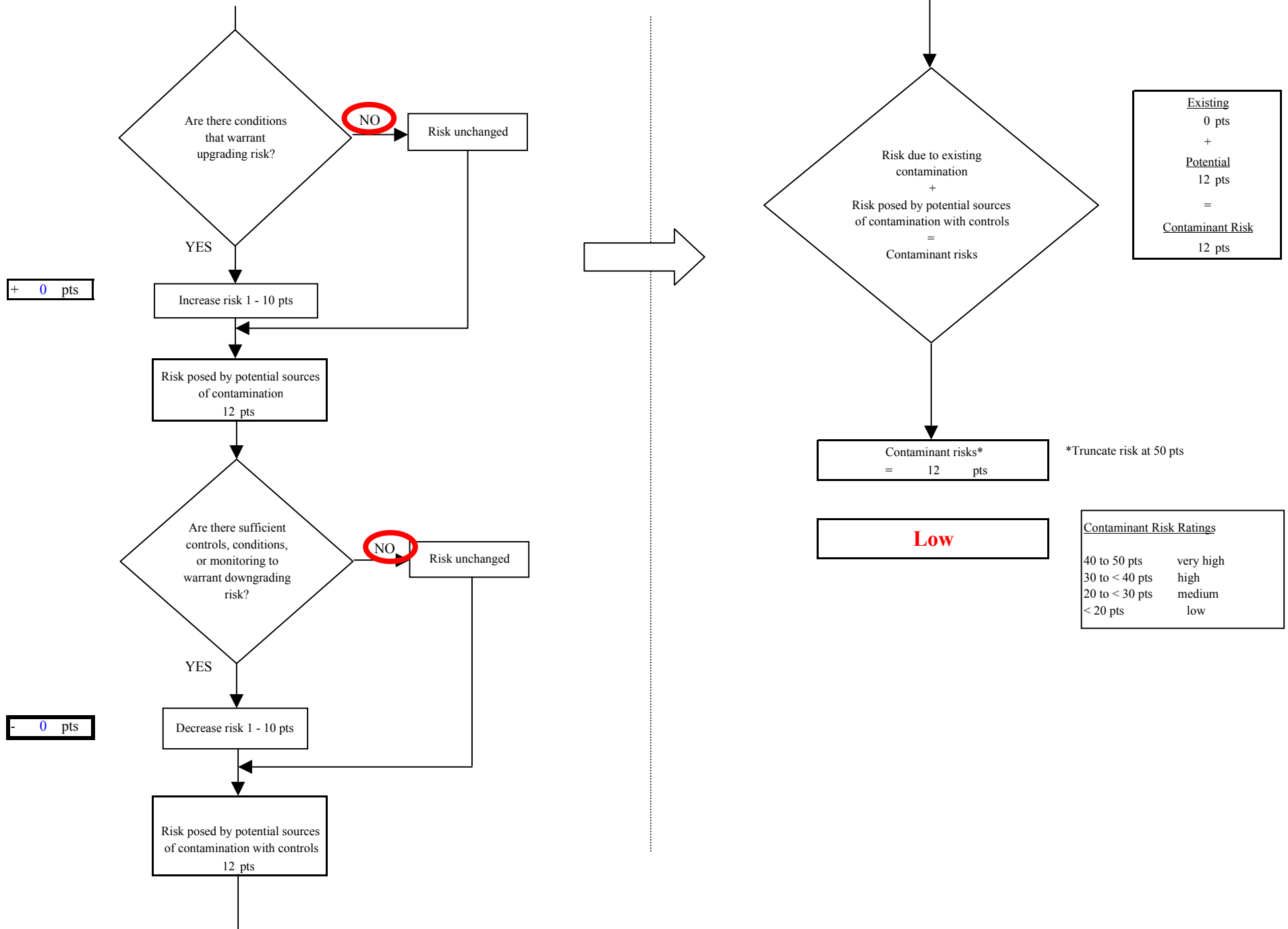


Chart 14. Vulnerability analysis for Westwood Subdivision - Other Organic Chemicals

